

Day : Friday
Date: 5/30/2003
Time: 14:20:23

 **PALM INTRANET**

Foreign Information for 09/849272

Priority#	Date	Country
2001-69365	03/12/2001	JAPAN
2000-141256	05/15/2000	JAPAN

[Appln Info](#) [Contents](#) [Petition Info](#) [Atty/Agent Info](#) [Continuity Data](#) **Foreign Data** [Invento](#)

Search Another: Application#

or Patent#

PCT / /

or PG PUBS #

Attorney Docket #

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File 344:Chinese Patents Abs Aug 1985-2003/Feb
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)
(c) 2003 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2003/May W04
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030522,UT=20030515
(c) 2003 WIPO/Univentio
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200333
(c) 2003 Thomson Derwent
? ds

Set	Items	Description
S1	30510	AU=(YOSHIDA, Y? OR YAMAMOTO, Y? OR YOSHIDA Y? OR YAMAMOTO - Y?)
S2	54	S1 AND CHROMINANCE() SIGNAL?
S3	3	S2 AND IMAGE() DISPLAY() DEVICE?

3/5,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06892210 **Image available**
OPTICAL TRANSMISSION/RECEPTION METHOD FOR IMAGE AND OPTICAL
TRANSMISSION/RECEPTION SYSTEM FOR IMAGE

PUB. NO.: 2001-119719 [JP 2001119719 A]
PUBLISHED: April 27, 2001 (20010427)
INVENTOR(s): YAMAMOTO YOSHIHIKO
APPLICANT(s): ALPS ELECTRIC CO LTD
APPL. NO.: 11-299426 [JP 99299426]
FILED: October 21, 1999 (19991021)
INTL CLASS: H04N-011/00; H04N-011/24; H04B-010/22; H04B-010/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide an optical transmission/reception method for an image by which a transmission distance can be extended eliminating a noise in the case of transmitting image data from a computer or the like to a CRT image display device, the number of transmission channels can be decreased for the image signal and the CRT image display device can surely decode the chrominance signal.

SOLUTION: Two chrominance signals are selected among chrominance signals, a horizontal synchronizing signal is made in a blanking period of one chrominance signal and a vertical synchronizing signal is made in a blanking period of the other chrominance signal and the resulting signals are optically transmitted.

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INVENTOR(s): YAMAMOTO YOSHIHIKO

ABSTRACT

...the case of transmitting image data from a computer or the like to a CRT image display device, the number of transmission channels can be decreased for the image signal and the CRT image display device can surely decode the chrominance signal.

SOLUTION: Two chrominance signals are selected among chrominance signals, a horizontal synchronizing signal is made in a blanking period of one chrominance signal and a vertical synchronizing signal is made in a blanking period of the other chrominance signal and the resulting signals are optically transmitted.

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3/5,K/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014407657 **Image available**
WPI Acc No: 2002-228360/200229
XRPX Acc No: N02-175360

Brightness correction circuit for image display has chrominance signal converter changing input signal in accordance with light characteristics of ambient light incident on image display stage
Patent Assignee: SHARP KK (SHAF); YAMAMOTO Y (YAMA-I); YOSHIDA Y (YOSH-I)

Inventor: YAMAMOTO Y ; YOSHIDA Y

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10122949	A1	20011129	DE 1022949	A	20010511	200229 B
US 20010050757	A1	20011213	US 2001849272	A	20010507	200229
CN 1324066	A	20011128	CN 2001116908	A	20010515	200229
JP 2002041017	A	20020208	JP 200169365	A	20010312	200229

Priority Applications (No Type Date): JP 200169365 A 20010312; JP 2000141256 A 20000515

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10122949	A1		37	G09G-003/36	
US 20010050757	A1			G03B-021/00	
CN 1324066	A			G09G-003/36	
JP 2002041017	A		25	G09G-005/00	

Abstract (Basic): DE 10122949 A1

NOVELTY - The device has an image display stage (1) for displaying an image according to an input **chrominance signal**. A **chrominance signal** converter (6,7) converts the **chrominance signal** in accordance with the light characteristics of ambient light incident on the image display stage.

DETAILED DESCRIPTION - A sensor (4) for detects the ambient light characteristic, whereby the converter converts the **chrominance signal** into a color suitable for a sensor output signal.

INDEPENDENT CLAIMS are also included for an electronic unit with an **image display device** and an image display method.

USE - For displaying an image corresponding to an input **chrominance signal**.

ADVANTAGE - Enables a color tone in an image to always be perceived by a user in the same manner if the ambient light conditions change.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram representation of an **image display device**

Image display stage (1)

Chrominance signal converter (6,7)

Sensor (4)

pp; 37 DwgNo 1/25

Title Terms: BRIGHT; CORRECT; CIRCUIT; IMAGE; DISPLAY; CHROMINANCE; SIGNAL; CONVERTER; CHANGE; INPUT; SIGNAL; ACCORD; LIGHT; CHARACTERISTIC; AMBIENT; LIGHT; INCIDENT; IMAGE; DISPLAY; STAGE

Derwent Class: P81; P82; P85; T01; T04; U14; W03

International Patent Class (Main): G03B-021/00; G09G-003/36; G09G-005/00

International Patent Class (Additional): G02F-001/133; G09G-005/02;

H04N-005/66; H04N-009/30; H04N-009/64

File Segment: EPI; EngPI

Brightness correction circuit for image display has **chrominance signal** converter changing input signal in accordance with light characteristics of ambient light incident on image...

Inventor: YAMAMOTO Y ...

... YOSHIDA Y

Abstract (Basic):

... device has an image display stage (1) for displaying an image according to an input **chrominance signal**. A **chrominance signal** converter (6,7) converts the **chrominance signal** in accordance with the light characteristics of ambient light incident on the image

display stage.
 ... A sensor (4) for detects the ambient light characteristic,
 whereby the converter converts the **chrominance signal** into a color
 suitable for a sensor output signal...
 ...INDEPENDENT CLAIMS are also included for an electronic unit with an
image display device and an image display method...
 ...For displaying an image corresponding to an input **chrominance signal**
 ...
 ...The drawing shows a block diagram representation of an **image display device**
 ...
 ... **Chrominance signal converter** (6,7

3/5,K/3 (Item 2 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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010271945 **Image available**
 WPI Acc No: 1995-173200/199523
 Related WPI Acc No: 1999-428464
 XRPX Acc No: N95-135719

Image display device e.g. LCD - incorporates time base modulator
 which expands or compresses time base of analog chrominance signal

Patent Assignee: SHARP KK (SHAF)

Inventor: ISHII Y; MATSUURA M; YAMAMOTO Y ; YONEDA H; YOSHIDA S

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7092935	A	19950407	JP 93236609	A	19930922	199523 B
KR 171233	B1	19990320	KR 9419895	A	19940810	200042
US 6175351	B1	20010116	US 94287881	A	19940809	200106
			US 97959530	A	19971024	

Priority Applications (No Type Date): JP 93236609 A 19930922; JP 93198636 A
 19930810

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 7092935	A		14	G09G-003/36	
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KR 171233	B1			G02F-001/136	
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US 6175351	B1			G09G-003/36	Cont of application US 94287881
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Abstract (Basic): JP 7092935 A

The **image display device** incorporates an A/D converters
 set-up for three primary colours. The A/D converter converts each
chrominance signal obtained from the input signal lines
 (10G,10B,10R) into a digital signal. Memory devices (31-39) are
 connected to the A/D converters and they store one field of
chrominance signal at a time. The **chrominance signal** from the
 memory device group (30) is input into a time base modulator (40) which
 expands or compresses the time base of the analog signal obtained from
 the memory device group.

The output of the time base modulator is sent to a data
 transmission circuit (60) through a D/A converter (50). The data
 transmission circuit transmits the data signal to a pixel display part

(100). A field sequential scanning part (70) performs scanning of the data signal. The data transmission part, pixel display part and the sequential field display part are arranged in a single substrate. The control part (80) controls each part of a system.

ADVANTAGE - Provides compact system by forming each circuit on same monolithic substrate. Inhibits necessity of high sampling speed miniaturise component and simplifies connection.

Dwg.1/13

Title Terms: IMAGE; DISPLAY; DEVICE; LCD; INCORPORATE; TIME; BASE; MODULATE
; EXPAND; COMPRESS; TIME; BASE; ANALOGUE; CHROMINANCE; SIGNAL
Derwent Class: P81; P85; T01; T04; U14; W03
International Patent Class (Main): G02F-001/136; G09G-003/36
International Patent Class (Additional): G02F-001/133; H04N-009/12
File Segment: EPI; EngPI

Image display device e.g. LCD...

...incorporates time base modulator which expands or compresses time base
of analog chrominance signal

...Inventor: YAMAMOTO Y

...Abstract (Basic): The image display device incorporates an A/D
converters set-up for three primary colours. The A/D converter converts
each chrominance signal obtained from the input signal lines
(10G,10B,10R) into a digital signal. Memory devices (31-39) are
connected to the A/D converters and they store one field of
chrominance signal at a time. The chrominance signal from the
memory device group (30) is input into a time base modulator (40) which

...

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File 2:INSPEC 1969-2003/May W4
(c) 2003 Institution of Electrical Engineers
File 6:NTIS 1964-2003/Jun W1
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File 8:Ei Compendex(R) 1970-2003/May W4
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File 34:SciSearch(R) Cited Ref Sci 1990-2003/May W4
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File 35:Dissertation Abs Online 1861-2003/May
(c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/May W4
(c) 2003 BLDSC all rts. reserv.
File 94:JICST-EPlus 1985-2003/Jun W1
(c)2003 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2003/May W3
(c) 2003 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Apr
(c) 2003 The HW Wilson Co.
File 144:Pascal 1973-2003/May W4
(c) 2003 INIST/CNRS
File 239:Mathsci 1940-2003/Jul
(c) 2003 American Mathematical Society
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2003/May 30
(c) 2003 ProQuest Info&Learning
File 248:PIRA 1975-2003/May W4
(c) 2003 Pira International
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Set	Items	Description
S1	1807	CHROMINANCE(3N)SIGNAL?
S2	165	S1 AND CONVERT?
S3	95345	(COLOUR OR COLOR OR RGB OR RED()GREEN()BLUE) AND (MANAG? OR CONTROL? OR CORRECT?)
S4	77317	DISPLAY(3N) (DEVICE? OR UNIT? OR SCREEN? OR APPARATUS)
S5	48827	LCD OR LIQUID()CRYSTAL()DISPLAY??
S6	2722116	IMAGE? OR GRAPHIC?? OR PICTURE??
S7	1233	ILLUMINAT?()LIGHT
S8	125467	EXTERNAL(3N)LIGHT? OR LAMP?? OR SUNLIGHT OR AMBIENT()LIGHT?
S9	522163	LIGHT()CHARACTERISTIC? OR WAVELENGTH?
S10	755	(STRIKING OR SHINING OR STRIKES OR SHINE??) (3N) (DISPLAY? OR SCREEN??)
S11	2	(MAINTAIN? OR KEEP?) (3N)TINT? AND S6
S12	18309	SENSOR? AND S9
S13	1275	(XYZ OR TRISTIMULUS) (3N)VALUE??
S14	1157	CHROMATIC()ADAPTATION??
S15	24210	AU=(YOSHIDA, Y? OR YAMAMOTO, Y? OR YOSHIDA Y? OR YAMAMOTO Y?)
S16	2	RD S11 (unique items)
S17	5	S2 AND (S4 OR S5)
S18	5	S17 NOT S16
S19	5	RD S18 (unique items)
S20	169	S3 AND (S4 OR S5) AND (S7 OR S8)
S21	0	S20 AND S10
S22	9	S20 AND S9
S23	9	S22 NOT (S16 OR S17)

S24	7	RD S23 (unique items)
S25	0	S20 AND S13 AND S14
S26	1	S20 AND (S13 OR S14)
S27	73	(S1 OR S3) AND S15
S28	33	S27 AND S6
S29	23	RD S28 (unique items)

16/3,K/1 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2145635 NTIS Accession Number: ADA368505/XAB

MRDEC Webpage Operation and Maintenance Services for the Purpose of Data Distribution of Missile Technology and Analyses

(Final rept. 23 Jul 98-22 Jul 99)

Maddux, G. A.

Alabama Univ. in Huntsville.

Corp. Source Codes: 053562000; 389469

Report No.: UAH-5-20255; UAH-5-20256

Aug 1999 7p

Languages: English

Journal Announcement: USGRDR0003

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NTIS Prices: PC A02/MF A01

... of Alabama in Huntsville (UAH) Systems Management and Production Lab was contracted to develop and **maintain** the **TINTO** web page. The objective of this task was to provide state of the art capabilities...

Descriptors: Guided missiles; *Information exchange; *Internet; Data management; Distributed data processing; Hypertext; Systems management; **Graphical** user interface

16/3,K/2 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2003 Pira International. All rts. reserv.

00453669 Pira Acc. Num.: 20057488

Title: Progress report: narrow-web flexographic banding

Authors: Long G

Source: Flexo vol. 21, no. 5, May 1996, pp 164-175

ISSN: 0734-6980

Publication Year: 1996

Document Type: Journal Article

Language: English

...Abstract: length, occurs inconsistently across the web in narrow web flexo only. In a uniform screen **tint**, the bands **maintain** constant density across the **image**; otherwise density varies. Samples of known cases, suggest slurring is caused by the plate cylinder...

... impression cylinder, or momentarily jumping ahead and running out of ink. Details are presented of **image** generation, platemaking, mounting, ink, substrates, aniloxes, presswork, and sampling. A statistical measuring procedure is developed, and a test **image** designed to detect banding. Results show that banding can occur under controlled conditions, irrespective of...

?

19/3,K/1 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

03571697 JICST ACCESSION NUMBER: 98A0504480 FILE SEGMENT: JICST-E
RGB Signal Infrared Connection Unit.

KAMIYA M (1); MITSUBORI S (1); HIKICHI Y (1)

(1) NEC Home Electronics, Ltd.

NEC Res Dev, 1998, VOL.39,NO.2, PAGE.168-173, FIG.6, TBL.1, REF.1

JOURNAL NUMBER: G0138AAA ISSN NO: 0547-051X CODEN: NECRA

UNIVERSAL DECIMAL CLASSIFICATION: 681.327.8 621.396

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

...ABSTRACT: signal infrared connection unit which can be used to connect a personal computer and a **display device** such as a projector. The connection is wireless, utilizing infrared technology. The connection unit consists...

...a video signal with a range of transmission of 1 to 10 meters. This unit **converts** an RGB baseband signal to a luminance signal (Y) and two color difference signals (R...

...DESCRIPTORS: **chrominance signal** ;

...BROADER DESCRIPTORS: **display device** ;

19/3,K/2 (Item 2 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02342602 JICST ACCESSION NUMBER: 95A0250443 FILE SEGMENT: JICST-E
Digital processing of color image data.

FUMOTO TERUO (1); KODERA HIROKA (1)

(1) Matsushita Res. Inst. Tokyo, Inc.

Joho, Gazo Shori Koenkai, 1994, VOL.5th, PAGE.9-19, FIG.16, TBL.1, REF.11

JOURNAL NUMBER: L2283AAG

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

...ABSTRACT: of its processing, content and purpose. The following are examined : Visual sense, color space and **chrominance signal** conversion, CRT and printer. CRTs and printers cannot handle colorimetric color reproduction in a same...

...processing for subtractive color mixture process is also different between them. Concept of a color **converter** intervention system is shown as color reproduction which not depend on a device.

...DESCRIPTORS: **chrominance signal** ;

...BROADER DESCRIPTORS: **display device** ;

19/3,K/3 (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

01401152 JICST ACCESSION NUMBER: 91A0757729 FILE SEGMENT: JICST-E
LSI for clearvision receiver system.
EBARA MASAKI (1); KAWAKATSU TADAO (1); AMINO TADASHI (1); KANKI HAJIME (1);
KIMURA YASUYUKI (1); KOBAYASHI HIROSHI (1)
(1) Sanyo Electric Co., Ltd.
Terebijon Gakkai Gijutsu Hokoku, 1991, VOL.15,NO.46(CE91 39-43/BCS91
20-24/BFO91 20-24), PAGE.7-12, FIG.10, TBL.3, REF.3
JOURNAL NUMBER: S0209AAF ISSN NO: 0386-4227
UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Introduction article
MEDIA TYPE: Printed Publication

...ABSTRACT: possible to rationalize scale of system, these LSI have
included Line-memories and D/A converters . (author abst.)
...DESCRIPTORS: **display device** ; ...
... **chrominance signal** ;

19/3,K/4 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00210610 JICST ACCESSION NUMBER: 86A0181273 FILE SEGMENT: JICST-E
AD/DA converter practical circuits hand book.
Denshi Gijutsu(Electronic Engineering), 1986, VOL.28,NO.1, PAGE.29-86,
FIG.56
JOURNAL NUMBER: F0571AAK ISSN NO: 0366-8819 CODEN: DEGIA
UNIVERSAL DECIMAL CLASSIFICATION: 621.37.037.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

AD/DA converter practical circuits hand book.
...DESCRIPTORS: **chrominance signal** ;
...BROADER DESCRIPTORS: **display device** ;

19/3,K/5 (Item 5 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00169061 JICST ACCESSION NUMBER: 86A0014733 FILE SEGMENT: JICST-E
Scan Converter for high quality TV system.
MOCHIZUKI KAZUO (1); HAYASHI HIDEYUKI (1); SENJU YOSHINORI (1)
(1) Nihondenkihomuerekutoronikusukaiken
NEC Giho(NEC Technical Journal), 1985, VOL.38,NO.8, PAGE.33-36, FIG.6,
TBL.3, REF.5
JOURNAL NUMBER: G0475BAB ISSN NO: 0285-4139
UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

Scan Converter for high quality TV system.
...ABSTRACT: cross-color, line flicker, and so on. This paper gives an

outline of the Scan Converter which has a high quality
picture.(author abst.)

...DESCRIPTORS: signal converter ; ...

... chrominance signal ;

BROADER DESCRIPTORS: display device ; ...

...electric converter ; ...

... converter ;

?

24/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5947568 INSPEC Abstract Number: A9815-4240E-005, B9808-4150D-004

Title: Holographic light control film for liquid crystal displays

Author(s): Hotta, T.; Ichikawa, N.; Morita, H.; Mori, Y.; Bates, B.; Kodama, D.

Author Affiliation: Central Res. Inst., Dai Nippon Printing Co. Ltd., Chiba, Japan

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3293 p.190-5

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3293L:190:HLCF;1-5

Material Identity Number: C574-98092

U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00

Conference Title: Practical Holography XII

Conference Sponsor: SPIE; Soc. Imaging Sci. & Technol

Conference Date: 26 Jan. 1998 Conference Location: San Jose, CA, USA

Language: English

Subfile: A B

Copyright 1998, IEE

Title: Holographic light control film for liquid crystal displays

Abstract: We have been developing various holographic optical elements (HOEs) and holograms: Holographic light **control** films (HLCF's) for use with reflective monochromatic type **liquid crystal displays** (LCDs) are discussed. The HLCFs are volume type holograms which diffract selected **wavelengths** of the **ambient light** to specific angles. Using HLCF's as reflectors in conjunction with LCDs allows the concentration...

... specific viewing areas. Three beneficial characteristics of HLCFs, weak dependence upon incident light angles, good **control** of diffracted **color** and excellent environmental stability are described. (1) Weak dependency on incident light angles: specially designing...

... production of HLCF's only dependent weakly on the angle of the incident light. (2) **Control** of diffracted **color** : varying process conditions allows the creation of HLCF's which diffract specific colors. (3) Stability

... Descriptors: **colour** ; ...

... **liquid crystal displays** ;

Identifiers: **liquid crystal displays** ; ...

...holographic light **control** film...

...reflective monochromatic type **liquid crystal displays** ; ...

...selected **wavelengths** ; ...

... **ambient light** ; ...

...diffracted **color** ;

24/3,K/2 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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2015858 NTIS Accession Number: N19970015295

Micro-Optic Color Separation Technology for Efficient Projection Displays

(Final Report, 9 May 1994 - 9 Aug. 1995)

Gunning, W. J. ; Boehmer, E.

Rockwell International, Thousand Oaks, CA. Science Center.

Corp. Source Codes: 052870003; RY237991

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Report No.: NAS 1.26:203818; SC71096.FR; NASA-CR-203818

Mar 97 65p

Languages: English

Journal Announcement: GRAI9721; STAR3506

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NTIS Prices: PC A05/MF A01

Micro-Optic Color Separation Technology for Efficient Projection Displays

... optical concept which incorporated a single liquid crystal spatial light modulator. The system achieved full **color** by utilizing an echelon grating, which diffracted the incident light into three orders with different **color** spectra, in combination with a microlens array, which spatially separated **RGB** bands and directed the light of the appropriate **wavelength** to the appropriate **color** dot. Preliminary echelon grating designs were provided by MIT/LL and reviewed by Rockwell. Additional...

... crystal SLM (Sharp Model No. LQ 46E02) and built the projection display baseline projector. Full **Color** projected video images were produced and shown at the 1995 HDS meeting in Washington. Analysis...

... projector and detailed parameter trade studies helped define the dependence of overall display efficiency on **lamp** collimation, and indicated that a **lamp** with very small arc dimension is required for the optical concept to be viable.

Descriptors: Light modulators; * **Display devices** ; *Single crystals; *Project **management** ; *Luminance; *Liquid crystals; **Color** ; **Color television** ; Avionics; Collimation; Projectors

24/3,K/3 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01647465 ORDER NO: AAD98-33921

LANGMUIR-BLODGETT FILMS OF CONJUGATED POLYMERS AND THEIR APPLICATIONS ON OPTOELECTRONIC DEVICES (TWISTED NEMATIC LIQUID CRYSTAL DISPLAYS , LIGHT EMITTING DIODES, POLY(PARAPHENYLENE))

Author: TSENG, CHIN-JEN

Degree: PH.D.

Year: 1998

Corporate Source/Institution: CASE WESTERN RESERVE UNIVERSITY (0042)

Source: VOLUME 59/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2230. 212 PAGES

LANGMUIR-BLODGETT FILMS OF CONJUGATED POLYMERS AND THEIR APPLICATIONS ON OPTOELECTRONIC DEVICES (TWISTED NEMATIC LIQUID CRYSTAL DISPLAYS ,

LIGHT EMITTING DIODES, POLY(PARAPHENYLENE))

Langmuir-Blodgett technique has been well known to produce ultra-thin films with **controlled** thickness and preferred orientation. In this research, this technique was used to produce conjugated polymer...

...and apply these films on optoelectronic devices such as the alignment layers for twisted nematic **liquid crystal displays** (TNLCDs) and the luminescent materials for light emitting diodes (LEDs).

In the twisted nematic **liquid crystal displays**, oriented Langmuir-Blodgett films behave as alignment layers and provide required pretilt orientation. Poly(para...

...light emitting diode, oriented PPP LB films perform as charge transfer complexes and emit polarized **light** without **external** polarizer.

A precursor method was developed for the preparation of these PPP LB films. A...

...developed by Steven Walsh. Lithium salts of 16-8DA LB films were polymerized by UV **lamp** and used to behave as homeotropic alignment layers.

Thermodynamic properties of these Langmuir films at...

...electroluminescence experiments were done on the PPP LB films. The emitting light is blue-green **color** with **wavelength** about 500 nm. The dichroic ratio of the emitting light was ranged from 1.3...

24/3,K/4 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04619168 JICST ACCESSION NUMBER: 00A0700719 FILE SEGMENT: JICST-E
Push-button switches,display lamps installed with the super LED and super LED ball.

IDEC Izumi Corp.

Shoenerugi(Energy Conservation), 2000, VOL.52,NO.8, PAGE.36-37, FIG.3,
TBL.1

JOURNAL NUMBER: F0218ACY ISSN NO: 0387-1819

UNIVERSAL DECIMAL CLASSIFICATION: 628.91/.95 681.58 620.97

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Push-button switches,display lamps installed with the super LED and super LED ball.

ABSTRACT: New LED ball of less power consumption and improved luminance, and flat LED **units** were developed for **display lamps** of factories. LED elements are of InGaAlP and GaN system, and the power consumption was...

...1/2 of conventional LED. Colors were pure green and blue, and the snow-white **color** was realized with the **wavelength** conversion plate. The safety in the factories is improved, because the visibility is high. Large numbers are used for **control** panels and monitoring boards.

DESCRIPTORS: **control** equipment...

...display **lamp** ;

24/3,K/5 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04581992 JICST ACCESSION NUMBER: 00A0479521 FILE SEGMENT: JICST-E
Control of Color of Transmitted-Light Through the LCD Panel by
Applying Pulsed Voltage.
ONISHI SEIKI (1); KOMOTO YOSHINORI (1); NAZRI A (1); JINNO MASAFUMI (1);
AONO MASAHARU (1)
(1) Ehime Univ., Fac. of Eng.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Enginners),
2000, VOL.99,NO.625(EE99 63-76), PAGE.87-94, FIG.15, REF.3
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Control of Color of Transmitted-Light Through the LCD Panel by
Applying Pulsed Voltage.
ABSTRACT: The transmittance of an STN- LCD panel changes with wavelength
due to the birefringence of liquid crystal molecules. For example, in
one range of wavelength , the LCD panel blocks the light while the
voltage is applied and transmits it while the voltage...
...voltage application, and cuts it off during the non-voltage application.
The spectral transmittance is controlled by varying the waveform of
pulsed voltage applied to the liquid crystal. On the other hand, the
luminous color of the discharge lamp is controlled by changing
the electron energy distribution in a positive column. The luminous
color of the discharge lamp may be varied from red to blue. The
range of color change also depends on the phosphors. By using the
birefringence effect of the LCD and the variable color of the lamp
, we obtained wider range of color control . (author abst.)
DESCRIPTORS: liquid crystal display ; ...
...discharge lamp ; ...
...impulse control ;
BROADER DESCRIPTORS: display device ; ...
...electric lamp ; ...
... control ;

24/3,K/6 (Item 3 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04235538 JICST ACCESSION NUMBER: 99A0779807 FILE SEGMENT: JICST-E
Optical Property of Linear Polarizer.
SEKI HIDEHIRO (1); UWANO TAKETOSHI (1); UCHIDA TATSUO (2)
(1) Hachinohe Inst. of Technol., Fac. of Eng.; (2) Tohoku Univ., Grad. Sch.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Enginners),
1999, VOL.99,NO.171(EID99 38-46), PAGE.1-6, FIG.8, TBL.1, REF.1
JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 535.51.08:681.785.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

ABSTRACT: Reflective color LCDs are important key devices in future information oriented society. High utilization efficiency of ambient light for bright display is needed for design of the reflective mode. In transmissive mode, the brightness can be easily controlled by backlight. However, the light intensity of the reflective mode is limited within the ambient light. The loss of the incident light in the reflective mode results in darkening the LCD panel. It is an important point of the reflective display to increase the brightness as

...DESCRIPTORS: liquid crystal display ; ...

... wavelength dependence

...BROADER DESCRIPTORS: display device ;

24/3,K/7 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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01907536 JICST ACCESSION NUMBER: 93A0667328 FILE SEGMENT: JICST-E
MOVPE of ZnSe based materials. With the aim of a short wavelength light emission device.

FUJITA SHIZUO (1); FUJITA SHIGEO (1)
(1) Kyoto Univ., Faculty of Engineering
Denki Gakkai Denshi Zairyo Kenkyukai Shiryo, 1993, VOL.EFM-93,NO.1-5,
PAGE.29-36, FIG.7, REF.26

JOURNAL NUMBER: Z0970AAP

UNIVERSAL DECIMAL CLASSIFICATION: 621.383:535.35

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

MOVPE of ZnSe based materials. With the aim of a short wavelength light emission device.

...ABSTRACT: of photo MOVPE are described. ZnSe, ZnCdSe and crystal growth of those multilayer structures, structure control, test results on nitrogen doping, light emission characteristics of a diode with the structure of Au/ZnSe : N/n-ZnSe : Ga/n+-GaAs are discussed, for photo device development. Light emission display was produced experimentally by the application of these results, and a strong blue - blue-green...

...DESCRIPTORS: xenon lamp ;

...BROADER DESCRIPTORS: discharge lamp ;

...electric lamp ; ...

... color

?

26/3,K/1 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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03474915 JICST ACCESSION NUMBER: 98A0322257 FILE SEGMENT: JICST-E
Color Appearance Matching between Softcopy and Hardcopy. S-LMS: Mixed
Chromatic Adaptation Model for Self-luminous Displays.

KATO NAOYA (1)

(1) Sony Corp., Cent. Res. Lab.

Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Engineers),
1998, VOL.97, NO.565(CQ97 70-79), PAGE.25-30, FIG.7, TBL.2, REF.15

JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 612.84:007 621.385.83

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Color Appearance Matching between Softcopy and Hardcopy. S-LMS: Mixed
Chromatic Adaptation Model for Self-luminous Displays.
ABSTRACT: With the widespread use of CMSs(color management systems),
users are now able to achieve device independent color across
different media. However, current CMSs guarantee the same color only
if one sees color under a controlled viewing condition. If one sees
color under a different viewing condition, the reproduced color
does not match the original. In a typical office environment, a
computer graphic monitor with a CCT(Correlated Color Temperature) of
9300K is widely used under F6 fluorescent light of 4150K CCT. In such
...

...system is partially adapted to the CRT monitor's white point and
partially to the ambient light . A new adaptation model: S-LMS is
proposed to compensate for the mixed chromatic adaptation . Visual
experiments were performed to evaluate the mixed chromatic
adaptation . Experimental results indicated that human visual system is
60% adapted to the monitor's white point and 40% to the ambient
light when viewing softcopy images. (author abst.)

DESCRIPTORS: color reproduction...

... color perception...

... color temperature

...BROADER DESCRIPTORS: display device ;

?

29/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
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7429854 INSPEC Abstract Number: B2002-12-7260D-001

Title: Color management of liquid crystal display placed under light environment

Author(s): Yoshida, Y. ; Yamamoto, Y.
Author Affiliation: SHARP Corp., Tenri, Japan
Journal: Transactions of the Institute of Electronics, Information and Communication Engineers A vol.J85-A, no.7 p.793-805
Publisher: Inst. Electron. Inf. & Commun. Eng,
Publication Date: July 2002 **Country of Publication:** Japan
CODEN: DJTAER **ISSN:** 0913-5707
SICI: 0913-5707(200207)J85A:7L.793:CMLC;1-W
Material Identity Number: K838-2002-009
Language: Japanese
Subfile: B
Copyright 2002, IEE

Title: Color management of liquid crystal display placed under light environment

Author(s): Yoshida, Y. ; Yamamoto, Y.
Abstract: Key issues for color management of liquid crystal displays (LCDs) related to ambient light conditions are discussed. Color management of a display can be achieved with the combination of physical stability of the display and the signal processing technology in which exact color mapping can be performed. From such a viewpoint, we pointed out that the lot of...

... LCD that should improve as compared with the CRT. The paper describes a modeling of color on the LCD that is installed under ambient light conditions, and illustrates how problems of color management are reduced in an office environment. Based on the idea of an improved optical system...

... surface reflection. In our evaluation, we confirmed that this LCD can provide a better quality picture than that of a conventional LCD. Also the need to re-consider the ICC profile...

...proposed a new model of the ICC based device profile for the LCD and its color management system.

...Descriptors: colour displays...

... image colour analysis
Identifiers: color management ; ...
... colour LCD...

... color mapping...

... picture quality improvement

29/3,K/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
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7218703 INSPEC Abstract Number: B2002-04-7260D-017

Title: Color management of reflective-type LCDs in terms of adaptation of the human visual system to light-source variation

Author(s): Yoshida, Y. ; Yamamoto, Y. ; Hijikigawa, M.
Author Affiliation: LCD Dev. Group, Sharp Corp., Tenri, Japan
Journal: Journal of the Society for Information Display vol.9, no.4
p.325-30
Publisher: Soc. Inf. Display,
Publication Date: 2001 Country of Publication: USA
CODEN: JSIDE8 ISSN: 1071-0922
SICI: 1071-0922(2001)9:4L:325:CMRT;1-D
Material Identity Number: P997-2002-001
U.S. Copyright Clearance Center Code: 1071-0922/01/0904-0325\$1.00
Language: English
Subfile: B
Copyright 2002, IEE

Title: Color management of reflective-type LCDs in terms of adaptation of the human visual system to light...

Author(s): Yoshida, Y. ; Yamamoto, Y. ; Hijikigawa, M.

Abstract: Investigated the color management, in terms of the color adoption property of the human visual system, of a reflective-type TFT-LCD (R-LCD...

... LCD depends on ambient light as the light source, it is expected that the colorimetric color on the R-LCD must be changed if the source of the ambient light is...

... to the adaptation property of the human visual system, the eye does not perceive colorimetrically corrected colors as the same color even for an R-LCD. In this research, first, we conducted a subjective experiment to obtain the RGB code value that is required in order to display a corresponding color on the R-LCD under varying ambient-light conditions. The result of the experiment shows that the corresponding color of the experimental results was reasonably approximated by the color obtained by using the von Kries model. Secondly, we proposed a color-compensating mechanism that is described as a cascaded simple 3*3 linear matrix. Actual colors displayed are adjusted according to the ambient light. The evaluation of the picture quality of the R-LCD showed that the proposed model is effective.

...Descriptors: colour displays

Identifiers: color management ; ...

... color adoption property...

...colorimetric color ; ...

... RGB code value...

... color-compensating mechanism...

... picture quality

29/3,K/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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04175465 INSPEC Abstract Number: C9208-5530-004

Title: Color correction in full-color hard copy system

Author(s): Yoshida, Y. ; Itoh, G. ; Takakura, M. ; Yamane, Y. ; Kako, N.

Journal: Sharp Technical Journal no.52 p.10-14

Publication Date: March 1992 Country of Publication: Japan

CODEN: STEJD9 ISSN: 0285-0362
Language: Japanese
Subfile: C

Title: Color correction in full- color hard copy system

Author(s): Yoshida, Y. ; Itoh, G.; Takakura, M.; Yamane, Y.; Kako, N.

Abstract: In order to construct a color reproduction system, the authors have investigated an appropriate method to determine a high performance color masking function. With the modelling technique of the scanner and the Blackbox model, a preliminarily printed reference pattern was sampled uniformly. Multiple regression analysis optimizes the function under a minimum color -difference condition. As a result, printed output that has no degradation at all compared with an original image could be obtained. It was possible to optimize coefficients of the function within a minute...

... that this system will be effective for use in adjustment and/or maintenance of digital color -copier related products.

Descriptors: image scanners

...Identifiers: color correction ; ...

...full- color hard copy system...

... color masking function...

...digital color -copier

29/3,K/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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03389136 INSPEC Abstract Number: C89041050

Title: Colour image retrieval system for ethnological studies

Author(s): Sato, M.; Hashihara, H.; Ioka, M.; Kurokawa, M.; Hong, J.-K.; Sugita, S.; Kubo, M.; Yamamoto, Y.

Author Affiliation: Tokyo Res. Lab., IBM Japan Ltd., Japan

Journal: Transactions of the Information Processing Society of Japan
vol.29, no.12 p.1108-18

Publication Date: 1988 **Country of Publication:** Japan

CODEN: JSGRD5 **ISSN:** 0387-5806

Language: Japanese

Subfile: C

Title: Colour image retrieval system for ethnological studies

Author(s): Sato, M.; Hashihara, H.; Ioka, M.; Kurokawa, M.; Hong, J.-K.; Sugita, S.; Kubo, M.; Yamamoto, Y.

Abstract: The type of image data recorded for artifacts is shown with a typical information card. Entity sets and attributes are based on the artifact information cards. CIRES manages the image data. The system configuration was optical and magnetic discs managed by an IBM-3081 using relational database techniques. The application program is run on an...

...Identifiers: image retrieval system...

... image data

29/3,K/5 (Item 1 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

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05758280 E.I. No: EIP01015485437

Title: 53 degree Twisted-nematic cell for a color reflective liquid-crystal display

Author: Saitoh, Yukito; Yoshida, Yuji ; Kamiya, Hiroyuki

Corporate Source: IBM Japan Ltd, Kanagawa, Jpn

Source: Journal of the Society for Information Display v 7 n 2 1999. p 115-118

Publication Year: 1999

CODEN: JSIDE8 **ISSN:** 1071-0922

Language: English

Title: 53 degree Twisted-nematic cell for a color reflective liquid-crystal display

Author: Saitoh, Yukito; Yoshida, Yuji ; Kamiya, Hiroyuki

Abstract: A 53 degree twisted-nematic cell for a color reflective liquid-crystal display was developed. It has a mirror electrode inside the panel on the TFT substrate, a twisted-nematic alignment structure, an RGB color filter, a single polarizer, and a light-control film covering the panel. Its advantages include gray-scale capability, low driving voltage, and a...

...We discuss the Delta n center dot d, the twist angle, and the front-light control film. (Author abstract) 10 Refs.

Descriptors: Liquid crystal displays; Nematic liquid crystals; Light reflection; Mirrors; Electrodes; Color image processing; Solar control films; Light polarization

Identifiers: Color reflective liquid crystal displays (LCD)

29/3,K/6 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

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03210963 Genuine Article#: NN098 No. References: 0

Title: NEW METHOD FOR QUANTITATIVELY DETERMINING AORTIC REGURGITANT VOLUME USING DOPPLER COLOR -FLOW IMAGING - EXPERIMENTAL VALIDATION-STUDY

Author(s): YOSHIDA Y ; MOSCARELLI E; TANOUCHI J; MASUYAMA T; HORI M; KAMADA T; KITABATAKE A

Corporate Source: HOKKAIDO UNIV,SCH MED,KITA 15,NISHI 7,KITA

KU/SAPPORO/HOKKAIDO 060/JAPAN/; HOKKAIDO UNIV,SCH MED,KITA 15,NISHI 7,KITA KU/SAPPORO/HOKKAIDO 060/JAPAN/

Journal: ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES, 1994, V11, N3 (MAY), P281-291

ISSN: 0742-2822

Language: ENGLISH **Document Type:** ARTICLE (Abstract Available) (NO REFS KEYED)

Title: NEW METHOD FOR QUANTITATIVELY DETERMINING AORTIC REGURGITANT VOLUME USING DOPPLER COLOR -FLOW IMAGING - EXPERIMENTAL VALIDATION-STUDY

Author(s): YOSHIDA Y ; MOSCARELLI E; TANOUCHI J; MASUYAMA T; HORI M; KAMADA T; KITABATAKE A

...Abstract: a the blood flow volume rate in the ascending aorta from the cross-sectional Doppler color flow image . Regional blood flow velocities were determined by converting color intensities of the cross-sectional Doppler color flow image into the corresponding flow velocities with the correction with the spatial ultrasound beam incident angle. The spatial ultrasound beam incident angle was estimated from the geometric characteristics of the color flow image contour. The method was validated in a steady flow model circuit comparing the calculated flow...

29/3,K/7 (Item 1 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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05244458 JICST ACCESSION NUMBER: 02A0665018 FILE SEGMENT: JICST-E
Display. Special Contribution from Asia Display/IDW'01. Precise Color
Characterization Model for LCD and It's Evaluation of Applicability.

YOSHIDA Y (1); YAMAMOTO Y (1)
(1) Sharp Corp., Nara, Jpn
Eizo Joho Medeia Gakkaishi(Journal of the Institute of Image Information
and Television Engineers), 2002, VOL.56,NO.8, PAGE.1279-1290, FIG.20,
TBL.3, REF.20

JOURNAL NUMBER: F0330ACX ISSN NO: 1342-6907
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: English COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Display. Special Contribution from Asia Display/IDW'01. Precise Color
Characterization Model for LCD and It's Evaluation of Applicability.

YOSHIDA Y (1); YAMAMOTO Y (1)

ABSTRACT: We investigated the **color** characterization of LCDs because the
workflow of the current ICC profile for display devices is inadequate
for precisely **managing** the colors of LCDs due to the particular
characteristics of the LCD components such as...

...we first investigated the characteristics of LCD components. In addition
to the problem of primary **color** displacement, we identified other
problems in practice that have to be considered for **color management**
of LCDs. To solve these problems, we experimentally tested the **color**
management of LCDs and found that subtracting the leakage light first
to compensate for the displacement of the primary **color** works well in
specially designed LCDs, but not in ordinary LCDs. We also found a
color management error that cannot be disregarded. To solve these
problems we investigated the application of a high-order 3x8 matrix. A
significant improvement in **color management** was achieved. We also
investigated the **color management** of LCDs installed in general
bright environments. These findings should lead to a new **color**
characterization model for LCDs that takes these problems into
consideration. (author abst.)

...DESCRIPTORS: **color** reproducibility...

... **color image** ;

...BROADER DESCRIPTORS: **image** ;

29/3,K/8 (Item 2 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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05169173 JICST ACCESSION NUMBER: 02A0424032 FILE SEGMENT: JICST-E
Reports on 9th Color Imaging Conference. Color related issues on LCD.

YOSHIDA YASUHIRO (1)
(1) Shapu Sekkeigikaise
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Enginners),
2002, VOL.101,NO.663(EID2001 132-140), PAGE.35-39, FIG.6, TBL.2, REF.14
JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397 535.6
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Introduction article
MEDIA TYPE: Printed Publication

Reports on 9th Color Imaging Conference. Color related issues on LCD.

YOSHIDA YASUHIRO (1)

ABSTRACT: This paper summarizes the 9th Color Imaging Conference from the view point of LCD color. For the purpose of implementing the color management of CRTs, various reports have been offering studies from many aspects. The results of such studies are generally and widely utilized today as the color management specifications stipulated by the ICC(International Color Consortium). On the other hand, with regard to the present circumstances for LCDs, the study...

...CRT case are employed as they are, and no systematic studies have been made on color management focusing on LCDs. Against this background, this paper wraps up two proposals in CIC from a view point of color management of the LCDs. (author abst.)

DESCRIPTORS: color image ; ...

... color reproduction...

... color0 reproducibility...

... color display...

... color ; ...

... management

BROADER DESCRIPTORS: image ;

29/3,K/9 (Item 3 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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05129325 JICST ACCESSION NUMBER: 02A0358199 FILE SEGMENT: JICST-E

Color Management **System of Reflective-type LCD.**

YOSHIDA Y (1); YAMAMOTO Y (1); MIYANAGA Y (2)

(1) Sharp Corp., Nara, Jpn; (2) Hokkaido Univ., Sapporo, Jpn

Nihon Gazo Gakkaishi(Journal of Imaging Society of Japan), 2002,

VOL.41,NO.1, PAGE.25-33, FIG.11, TBL.1, REF.11

JOURNAL NUMBER: G0323ACS ISSN NO: 1344-4425

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 621.385:621.397

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Color Management System of Reflective-type LCD.

YOSHIDA Y (1); YAMAMOTO Y (1)

ABSTRACT: This paper describes a color management system of reflective-type LCD (R-LCD). Since the R-LCD works together with its ambient light as a light source, it is expected that the colorimetric color on the R-LCD must be changed if the illuminant is changed. As a color management of such R-LCD, we propose a color management system of the R-LCD in terms of adaptation of the Human Visual System to light source variation. In this research, first, we conducted a

subjective experiment to obtain RGB code value that is required in order to display a corresponding color on the R-LCD under varying ambient light condition. The result of the experiment shows that the corresponding color of the experimental results was reasonably approximated by the color obtained by the von Kries model. Secondly, we proposed a color compensating mechanism that is described as simple 3*4 linear matrix. Then, we described a...

...that equipped with an ambient light sensor, which makes the system possible to change its color depending on an ambient light variation. Since the sensor sense kinds of ambient lights and built-in circuits generate 3*4 color matrixes automatically, the system can display desired colors for Human Visual System in accordance with...
...DESCRIPTORS: color control ; ...

... color image ; ...

... image correction ; ...

... chrominance signal ; ...

... image transformation...

... color reproduction...

... image quality...

... image evaluation

IDENTIFIERS: color adaptation...

... color correction

...BROADER DESCRIPTORS: image ; ...

... image processing...

... correction (compensation...

... correction (modification...

... picture signal...

... image characteristic

29/3,K/10 (Item 4 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04977936 JICST ACCESSION NUMBER: 01A0834448 FILE SEGMENT: JICST-E
Harvesting Robot for Strawberry Grown on Table Top Culture. Part 1.

Harvesting Robot Using 5 DOF Manipulator.

ARIMA SEIICHI (1); KONDO NAOSHI (2); YAGI YUSUKE (3); MONTA MITSUJI (3);
YOSHIDA YUICHI (3)

(1) Ehime Univ., Coll. of Agric.; (2) Ishiikogyo Gijutsukaihatsubu; (3)
Okayama Univ., Fac. of Agric.

Shokubutsu Kojo Gakkaishi(Journal of Society of High Technology in
Agriculture (J. SHITA), 2001, VOL.13,NO.3, PAGE.159-166, FIG.10, TBL.1,
REF.9

JOURNAL NUMBER: L1430ABU ISSN NO: 0918-6638

UNIVERSAL DECIMAL CLASSIFICATION: 631.35/.36 635.1/.8

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

; YAGI YUSUKE (3); MONTA MITSUJI (3); YOSHIDA YUICHI (3)
...ABSTRACT: of a 5 DOF manipulator, a pneumatic type end-effector, a visual sensor of a **color** CCD camera, and a traveling device with 4 wheels. Strawberry fruits were hanging from planting...
...a polar coordinate type was adopted, because it was not necessary to avoid obstacles and **control** of the manipulator was not complicated. The end-effector could suck a fruit using a...
...visual sensor. The visual sensor gave the robot two dimensional information based on an acquired **image** and fruit depth was calculated as an average value of previously harvested fruit depths obtained...
...BROADER DESCRIPTORS: cultivation **management** ; ...
... **management** ;

29/3,K/11 (Item 5 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04656688 JICST ACCESSION NUMBER: 00A0840290 FILE SEGMENT: JICST-E
A Comparative Analysis of Color Characteristics in Various Displays in Terms of Color Proofing.

YOSHIDA YASUHIRO (1); YAMAMOTO YOICHI (1)
(1) Sharp Corp.
Japan Hardcopy Ronbunshu(Japan Hardcopy), 2000, VOL.2000, PAGE.105-108, FIG.10, REF.3
JOURNAL NUMBER: L0935AAS ISSN NO: 0916-8087
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

A Comparative Analysis of Color Characteristics in Various Displays in Terms of Color Proofing.

YOSHIDA YASUHIRO (1); YAMAMOTO YOICHI (1)
ABSTRACT: In this paper, **color** characteristics in various displays were examined comparatively for an application of **color** proofer. Following three points were carried out. (1) The lack of the stability of gamma

...
...depending on the average level of displayed scene often limits both accuracy and precision of **color management** . (2) For LCD monitor, although the gamma and the gain were steadfast in its properties like the **color** proofer, **color** gamut was rather small. (3) Wide range of the **color** gamut can be achieved by carefully designed spectral emissive characteristics of the LCD. (author abst.)
...DESCRIPTORS: **image** evaluation...

... **color** ; ...

... **color control** ; ...

...printed **image** ; ...

... **color image**

IDENTIFIERS: **color** gamut
...BROADER DESCRIPTORS: **image** transfer characteristic...
... **image** characteristic...
...printing(**graphic** arts...
... **image**

29/3,K/12 (Item 6 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04596354 JICST ACCESSION NUMBER: 00A0434857 FILE SEGMENT: JICST-E
Displayed Picture **Quality on LCD with Ambient Light.**
YOSHIDA YASUHIRO (1); YAMAMOTO YOICHI (1)
(1) Shapu Ekishoshisutemudebaisukaise
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Enginners),
2000, VOL.99,NO.653(EID99 153-158), PAGE.31-36, FIG.8, TBL.2, REF.9
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Displayed Picture **Quality on LCD with Ambient Light.**
YOSHIDA YASUHIRO (1); YAMAMOTO YOICHI (1)
ABSTRACT: Some key issues of **picture** quality on transparent LCD and
reflective LCD related to ambient light condition are discussed. The
paper describes a modeling of **color** for the transparent LCD, and
illustrates how problem of **picture** quality was reduced in office
environment. Also the needs to consider **color** constancy and **color**
adaptation is explored for reflective LCD. Results from subjective
opinion test on **color** appearance matching under different light
sources are presented. (author abst.)

...DESCRIPTORS: **image** quality...

... **image** correction ; ...

... **color** stimulus...

... **color** perception

...BROADER DESCRIPTORS: **image** characteristic...

... **image** transfer characteristic...

... **image** processing...

... **correction** (compensation...

... **correction** (modification

29/3,K/13 (Item 7 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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04455447 JICST ACCESSION NUMBER: 00A0076361 FILE SEGMENT: JICST-E

Influence of Environmental Light on Displayed Picture Quality.

YOSHIDA YASUHIRO (1); MORIKAWA HIROKI (1); YAMAMOTO YOICHI (1)
(1) Shapu Ekishoshisutemydebaisukaise
Jpn Hardcopy Fall Meet, 1999, VOL.1999, PAGE.6-9, FIG.7, TBL.1, REF.4
JOURNAL NUMBER: L1960BAI
UNIVERSAL DECIMAL CLASSIFICATION: 621.385:621.397
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Conference Proceeding
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Influence of Environmental Light on Displayed Picture Quality.

YOSHIDA YASUHIRO (1); MORIKAWA HIROKI (1); YAMAMOTO YOICHI (1)
...DESCRIPTORS: color reproducibility...

... color mixing...

... image correction ; ...

... image quality

...BROADER DESCRIPTORS: color ; ...

... image processing...

... correction (compensation...

... correction (modification...

... image characteristic

29/3,K/14 (Item 8 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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01593797 JICST ACCESSION NUMBER: 92A0494269 FILE SEGMENT: JICST-E
HDTV digital colored collector.

YOSHIDA YUTAKA (1); NISHIO HAJIME (1); TAKAHASHI TAMOTSU (1); SHIMIZU
TOSHIYUKI (2); UCHIDA MASAMI (2); YABE MASATAKE (2)
(1) IMAGICA; (2) Esuto
Eiga Terebi Gijutsu(Motion Picture & TV Engineering), 1992, NO.478,
PAGE.35-38, FIG.6
JOURNAL NUMBER: L0307AAL
UNIVERSAL DECIMAL CLASSIFICATION: 621.397+654.197
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Commentary
MEDIA TYPE: Printed Publication

YOSHIDA YUTAKA (1); NISHIO HAJIME (1); TAKAHASHI TAMOTSU (1)
DESCRIPTORS: color image ; ...

... color reproduction...

... correction (compensation...

...digital image ;

BROADER DESCRIPTORS: image ; ...

... correction (modification

29/3,K/15 (Item 9 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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01528996 JICST ACCESSION NUMBER: 92A0323335 FILE SEGMENT: JICST-E
Digital Color Corrector for HDTV.
YOSHIDA YUTAKA (1)
(1) IMAGICA
Terebijon Gakkai Gijutsu Hokoku, 1992, VOL.16,NO.23(AIT92 7-10), PAGE.13-18
, FIG.5
JOURNAL NUMBER: S0209AAF ISSN NO: 0386-4227
UNIVERSAL DECIMAL CLASSIFICATION: 621.397.61
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Digital Color Corrector for HDTV.

YOSHIDA YUTAKA (1)
ABSTRACT: In telecine (transfer film to video) works, it is needed to
correct color balance for getting best video images . IMAGICA has
developped an HDTV telecine system recently, and the digital color
corrector plays a very important part in this system. The color
correcter can change not only RGB color balance (white, Black,
Gamma and Setup) but also vector secondary control (Hue, Saturation
and Intensity) if necessary, with less image degradation. Using other
functions it can work like a color effecter. (author abst.)
DESCRIPTORS: digital image ; ...

... image quality...

... color balance...

... correction (compensation
BROADER DESCRIPTORS: image ; ...

... image characteristic...

... correction (modification...

... color television

29/3,K/16 (Item 10 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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01185224 JICST ACCESSION NUMBER: 91A0140650 FILE SEGMENT: JICST-E
Color image coding based on the Munsell color system.
YOSHIDA YASUHIRO (1); MIYAHARA MAKOTO (2); KOTANI KAZUNORI (2)
(1) Sharp Corp.; (2) Technological Univ. of Nagaoka
Terebijon Gakkaishi(Journal of the Institute of Television Engineers of
Japan), 1990, VOL.44,NO.12, PAGE.1732-1739, FIG.7, TBL.8, REF.22
JOURNAL NUMBER: F0330ABG ISSN NO: 0386-6831
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 535.6
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Color image coding based on the Munsell color system.

YOSHIDA YASUHIRO (1)

ABSTRACT: A systematic study has been made of a high efficiency color image coding system. First, following two (HVC) signal quantization schemes, which were based on the Munsell...

...of (HVC) signal are pointed out. Second, based on the quantized (HVC) signal, a color image coding scheme, which regards local features of image, is discussed. Characterized DPCM-VQ coders adopted to the contour and the flat part of the image separately, where these two parts were separated into each other using the signal features estimated. A satisfactory sharp quality image was obtained by the coding of entropy: 2.4-2.9 bits/pixel!. The first step of the systematic research of image coding is discussed in this paper. Solving remaining problems and constructing the Picture Quality Scale will allow rapid development of sophisticated color image coding.
(author abst.)

DESCRIPTORS: color image ; ...

... image quantization...

... image evaluation...

... chrominance signal ; ...

... image quality...

... image reproduction

BROADER DESCRIPTORS: image ; ...

... image processing...

... picture signal...

... image characteristic

29/3,K/17 (Item 11 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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01110558 JICST ACCESSION NUMBER: 90A0611465 FILE SEGMENT: JICST-E

Quantitative color flow imaging to measure the two-dimensional distribution of blood flow velocity and the flow rate.

KITABATAKE A (1); TANOUCHI J (1); YOSHIDA Y (1); MASUYAMA T (1); UEMATSU M (1); KAMADA T (1)

(1) Osaka Univ. School of Medicine, Osaka, JPN

Jpn Circ J, 1990, VOL.54,NO.3, PAGE.304-308, FIG.3, REF.9

JOURNAL NUMBER: F0908AAS ISSN NO: 0047-1828 CODEN: NJUGA

UNIVERSAL DECIMAL CLASSIFICATION: 616.1-07

LANGUAGE: English COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

Quantitative color flow imaging to measure the two-dimensional distribution of blood flow velocity and the flow...

KITABATAKE A (1); TANOUCHI J (1); YOSHIDA Y (1); MASUYAMA T (1); UEMATSU M (1); KAMADA T (1)

ABSTRACT: A quantitative Doppler color flow imaging was employed to

measure the twodimensional distribution of blood flow velocity and flow rate in a large vessel. Regional blood flow velocity was determined by converting the **color** intensity at the respective pixel into corresponding flow velocity and **correcting** the flow velocity for spatial ultrasound beam incident angle. Instantaneous flow rate was determined precisely from the **image** of velocity distribution on the cross-section of the flow tract in a steady flow...

...aorta, between normal subjects and the patient with aortic regurgitation, were clearly depicted. The quantitative **color** flow imaging may have great potential to determine noninvasively and real-timely the two-dimensional...

...DESCRIPTORS: **color image** ;
...BROADER DESCRIPTORS: **image** ;

29/3,K/18 (Item 12 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00830872 JICST ACCESSION NUMBER: 89A0098269 FILE SEGMENT: JICST-E
Threshold sifted dither method for color image .
ABE SHINGO (1); SUGIMACHI NOBUYUKI (1); **YOSHIDA YOSHINORI** (1); HARA
HAJIME (2)
(1) Saga Univ., Faculty of Science and Engineering; (2) Hiroshima Inst. of
Technology
Terebijon Gakkai Gijutsu Hokoku, 1988, VOL.12,NO.45, PAGE.17-22, FIG.4,
TBL.6, REF.2
JOURNAL NUMBER: S0209AAF ISSN NO: 0386-4227
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Threshold sifted dither method for color image .
ABE SHINGO (1); SUGIMACHI NOBUYUKI (1); **YOSHIDA YOSHINORI** (1)
DESCRIPTORS: **color image** ; ...

... **image** processing...
... **chrominance signal** ; ...

... **image** quality...

...digital **image**
BROADER DESCRIPTORS: **image** ; ...

... **picture** signal...

... **image** characteristic

29/3,K/19 (Item 13 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00652379 JICST ACCESSION NUMBER: 88A0422382 FILE SEGMENT: JICST-E
**Cross-sectional visualization of regurgitant jet by color flow mapping to
evaluate aortic regurgitation.**
KITABATAKE AKIRA (1); ITO HIROSHI (1); NAKATANI SATOSHI (1); TANOUCHI JUN

(1); ISHIHARA KEN (1); FUJII KENSHI (1); UEMATSU MASAACKI (1); YOSHIDA
YUTAKA (1); TOMINAGA NAOMI (1)
(1) Osaka Univ., Medical School
J Cardiol, 1987, VOL.17,NO.1, PAGE.95-105, FIG.8, REF.10
JOURNAL NUMBER: Y0264ABZ ISSN NO: 0914-5087
UNIVERSAL DECIMAL CLASSIFICATION: 616.12 616.1-07
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

**Cross-sectional visualization of regurgitant jet by color flow mapping to
evaluate aortic regurgitation.**

KITABATAKE AKIRA (1); ITO HIROSHI (1); NAKATANI SATOSHI (1); TANOUCHI JUN
(1); ISHIHARA KEN (1); FUJII KENSHI (1); UEMATSU MASAACKI (1); YOSHIDA
YUTAKA (1); TOMINAGA NAOMI (1)

...ABSTRACT: of the aortic regurgitant jet at the level of the aortic valve
as visualized by **color** flow imaging technique. The study population
consisted of 16 patients with aortic regurgitation(10 with...

...with superimposed mitral stenosis, and one with mitral valve
replacement). Three normal subjects served as **controls**. The
cross-section of the aortic regurgitant jet was visualized as a mosaic
of yellow and blue in all patients with aortic regurgitation, but not
in any of the **controls**. Planimetric measurements of the
cross-sectional area of the regurgitant jet(J) and the aortic...

...associated mitral lesions. Thus, the cross-sectional area of the aortic
regurgitant jet determined by **color** flow imaging technique would be a
useful estimate of the severity of aortic regurgitation, even...

...BROADER DESCRIPTORS: **image** technology

29/3,K/20 (Item 14 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00352552 JICST ACCESSION NUMBER: 87A0058641 FILE SEGMENT: JICST-E
Conversion of (R,G,B) color space into munsell (H,V,C) color space.
MIYAHARA MAKOTO (1); SHIMIZU KAZUO (1); YOSHIDA YASUHIRO (1); NAMIZUKA
YOSHIYUKI (1)

(1) Nagaoka Univ. of Technology
Denshi Tsushin Gakkai Gijutsu Kenkyu Hokoku, 1986, VOL.86,NO.203,
PAGE.41-48(IE86-66), FIG.11, TBL.3, REF.11

JOURNAL NUMBER: S0532BAP
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

MIYAHARA MAKOTO (1); SHIMIZU KAZUO (1); YOSHIDA YASUHIRO (1); NAMIZUKA
YOSHIYUKI (1)
DESCRIPTORS: color **image** ; ...

... **image** transformation...

... **chrominance** signal ;
BROADER DESCRIPTORS: **image** ; ...

... **image** processing...

... **picture** signal

29/3,K/21 (Item 15 from file: 94)
DIALOG(R)File 94:JICST-EPlus
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00170056 JICST ACCESSION NUMBER: 86A0018712 FILE SEGMENT: JICST-E
Color **display** by **dithe** method using **emphasis** of **hafe** tone.
HARA HAJIME (1); OWAKI KEN-ICHI (1); NAKANO YOSHITAKA (2); TANAKA MASSAHICO
(3); **YOSHIDA YOSHINORI** (4)
(1) Hiroshima Inst. of Technology; (2) NEC Corp., Transmission Div.; (3)
Toshiba Corp., Res. and Development Center; (4)Saga Univ., Faculty of
Science and Engineering
Terebijon Gakkaishi(Journal of the Institute of Television Engineers of
Japan), 1985, VOL.39,NO.9, PAGE.806-812, FIG.6, TBL.1, REF.14
JOURNAL NUMBER: F0330ABG ISSN NO: 0386-6831
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

Color **display** by **dithe** method using **emphasis** of **hafe** tone.
; **YOSHIDA YOSHINORI** (4)
...ABSTRACT: Panel, etc. have been developed as bi-level display devices.
The display of half-tone **images** on these devices has been reported in
the description of many display methods. We have...
...Ditther Method, and propose new technique for the emphasis of half-tone
based on contrast **control**, whereby the **picture** quality is improved.
This paper clarifies the meaning of bi-level and multi-level dither,
and presents the results of **color images** and multi-level dither. In
consequence, by quantitative estimation, desirable **images** which have
excellent visual characteristics regardless of bi-level and multi-level
methods are obtained...
DESCRIPTORS: **color** display...

...half-tone **image** ; ...

... **image** quality...

... **image** processing

...BROADER DESCRIPTORS: **image** ; ...

... **image** characteristic

29/3,K/22 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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01369936 19991200982
A 53 deg of angle twisted-nematic cell for a color reflective
liquid-crystal display
(Eine 53 Grad verdrillt-nematische Zelle fuer eine
Farb-Fluessigkristallanzeige vom Reflexionstyp)
Saitoh, Y; **Yoshida, Y** ; Kamiya, H
IBM Japan, Kanagawa, J

Journal of the Society for Information Display, v7, n2, pp115-118, 1999
Document type: journal article Language: English
Record type: Abstract
ISSN: 0734-1768

A 53 deg of angle twisted-nematic cell for a color reflective liquid-crystal display

Saitoh, Y; Yoshida, Y ; Kamiya, H

ABSTRACT:

A 53 deg twisted-nematic cell for a color reflective liquid-crystal display was developed. It has a mirror electrode inside the panel on the TFT substrate, a twisted-nematic alignment structure, an RGB color filter, and a light-control film covering the panel. Its advantages include gray-scale capability, low driving voltage, and a...

...angle. The authors discuss the Delta n-D, the twist angle, and the front-light control film. They designed a 53 deg twisted-nematic cell for a color reflective liquid-crystal display that realizes efficient reflectivity and high contrast, and allows operation at a low voltage, such as less than 3 V. The authors then developed a reflective color TFT-LCD panel based on this mode. Using an appropriate Delta n-d and twist-angle design and a light-control film, they obtained good panel properties, such as a wide viewing angle and gray-scale...

...DESCRIPTORS: CONSTRUCTION; POLARIZER; IMAGE CONTRAST; COLOUR PICTURES ; FABRICATION; REFLECTING POWER; ELECTRIC TENSION; NEMATIC LIQUID CRYSTALS; OPTICAL MIRRORS

29/3,K/23 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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00607344 F92092034975

Digital/analog hybrid system for filing of endoscopic images
(Digital-analog arbeitendes System fuer die Speicherung endoskopischer Bilder)

Nakamura, T; Kawai, T; Suzuki, H; Fujino, MA; Ikeda, M; Yamamoto, Y ; Morozumi, A

Univ. Yamanashi, J

2nd Japan-Nordic PACS-Symposium, 9.-11.6.1991 Tampere, FinlandComputer Methods and Programs in Biomedicine, v37, n4, pp291-298, 1992

Document type: journal article Language: English

Record type: Abstract

ISSN: 0169-2607

Digital/analog hybrid system for filing of endoscopic images

Nakamura, T; Kawai, T; Suzuki, H; Fujino, MA; Ikeda, M; Yamamoto, Y ; Morozumi, A

ABSTRACT:

A new system was developed for filing all the endoscopic images . The system is composed of an on-line network for analog images supplied from the endoscopy stations and stored on 300 mm optical disks, on the one hand, and an off-line PACS for digital images recorded on a 130 mm magneto-optical disk (MOD) at each endoscopy station, on the other. For close examination of the images digital images are displayed from the MOD on a high-resolution computer graphic monitor, and for quick review of a large number of images , analog images are retrieved from the 300-mm optical disks. This system has been in clinical use...

...for the past year and has proven useful for education of endoscopy, for the quality **control** of the endoscopy practice, and for the **management** of the patients.

...DESCRIPTORS: **PICTURE** ARCHIVING AND COMMUNICATION SYSTEMS; ENDOSCOPY;
IMAGE STORAGE; DATA STORAGE; ON LINE PROCESSING; OFF LINE PROCESSING;
COMMUNICATION NETWORKS; VIDEO TECHNIQUE; **COLOUR PICTURES** ; GALL BLADDER;
ESOPHAGUS; PANCREAS

?

File 344:Chinese Patents Abs Aug 1985-2003/Feb
(c) 2003 European Patent Office
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)
(c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200334
(c) 2003 Thomson Derwent

? ds

Set	Items	Description
S1	11198	CHROMINANCE(3N)SIGNAL?
S2	3435	S1 AND CONVERT?
S3	98218	(COLOUR OR COLOR OR RGB OR RED()GREEN()BLUE) AND (MANAG? OR CONTROL? OR CORRECT?)
S4	354950	DISPLAY(3N)(DEVICE? OR UNIT? OR SCREEN? OR APPARATUS)
S5	151907	LCD OR LIQUID()CRYSTAL()DISPLAY??
S6	1267824	IMAGE? OR GRAPHIC?? OR PICTURE??
S7	11910	ILLUMINAT?()LIGHT
S8	242563	EXTERNAL(3N)LIGHT? OR LAMP?? OR SUNLIGHT OR AMBIENT()LIGHT?
S9	163538	LIGHT()CHARACTERISTIC? OR WAVELENGTH?
S10	287	(STRIKING OR SHINING OR STRIKES OR SHINE??)(3N)(DISPLAY? OR SCREEN??)
S11	4	(MAINTAIN? OR KEEP?)(3N)TINT? AND S6
S12	7977	SENSOR? AND S9
S13	376	(XYZ OR TRISTIMULUS)(3N)VALUE??
S14	24	CHROMATIC()ADAPTATION??
S15	203000	IC=G03B?
S16	0	S11 AND (S4 OR S5)
S17	0	S11 AND S15
S18	553	(S7 OR S8) AND S12
S19	23	S18 AND (S4 OR S5)
S20	1	(S1 OR S14) AND S19
S21	1	S20 NOT S11
S22	22	S19 NOT (S11 OR S20)
S23	22	S22 NOT AD=20000515:20030530
S24	203	S18 AND S6
S25	0	S24 AND S10
S26	1	S24 AND (S1 OR S14)
S27	0	S26 NOT (S19 OR S11 OR S20)
S28	31	S24 AND S3
S29	6	S28 AND (DISPLAY? OR SCREEN??)
S30	1	S29 NOT (S19 OR S11 OR S20)
S31	0	S24 AND S13
S32	25	S24 AND S15
S33	21	S32 NOT (S19 OR S11 OR S20 OR S30)
S34	17	S33 NOT AD=20000515:20030530

11/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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04996108 **Image available**
PICTURE PROCESSING METHOD

PUB. NO.: 07-288708 [JP 7288708 A]
PUBLISHED: October 31, 1995 (19951031)
INVENTOR(s): UDAGAWA YOSHIRO
SASAKI TAKU
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 07-067785 [JP 9567785]
FILED: March 27, 1995 (19950327)

PICTURE PROCESSING METHOD

ABSTRACT

... a color reproduction range to the colors inside the color reproduction range so as to maintain the tint of input pictures by performing the color space compression to the input pictures based on high saturation data in extracted plural respective hues and the high saturation data...

... C for the respective hues H. Then, when the maximum saturation side of the input pictures exceeds the maximum value of output reproduction saturation, bias towards the large saturation is utilized...

... the compression processing of the saturation is performed. When the saturation range of the input pictures is completely included in the reproduction saturation range of the printer, saturation conversion is not ...

11/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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02347889 **Image available**
PICTURE SYNTHESIS DEVICE

PUB. NO.: 62-264789 [JP 62264789 A]
PUBLISHED: November 17, 1987 (19871117)
INVENTOR(s): OTSUBO HIROYASU
MASUDA MICHIO
NISHIJIMA HIDEO
OKAMOTO CHIKAYUKI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 61-106610 [JP 86106610]
FILED: May 12, 1986 (19860512)
JOURNAL: Section: E, Section No. 606, Vol. 12, No. 150, Pg. 82, May
10, 1988 (19880510)

PICTURE SYNTHESIS DEVICE

ABSTRACT

PURPOSE: To always keep the tinting of a master screen and a slave screen constant without causing deterioration in picture quality by applying ACC processing of a master composite video signal without Y/C

separation...

11/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015128485 **Image available**
WPI Acc No: 2003-189009/200319
XRAM Acc No: C03-049824
XRPX Acc No: N03-149376

Colored ink composition for recording picture images consisting of
blue, yellow, and red inks exhibits good flowing property maintaining
high transparency and tinting strength, picture image recording
method, and printed matter

Patent Assignee: DAINICHISEIKA COLOR & CHEM MFG CO LTD (DAIC)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002338857	A	20021127	JP 2001147422	A	20010517	200319 B

Priority Applications (No Type Date): JP 2001147422 A 20010517

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002338857	A		7 C09D-011/00	

Colored ink composition for recording picture images consisting of
blue, yellow, and red inks exhibits good flowing property maintaining
high transparency and tinting strength, picture image recording
method, and printed matter

Abstract (Basic):

... composition (b), and a red ink composition (c) that are used in
combination for recording picture images .
... 1) a novel recording method of picture images (M) that is
conducted using (P1...

...P1) and (M) are suitably applied for recording colored picture images
, particularly for obtaining (P2...

...P1) exhibits good flowing property maintaining high transparency and
tinting strength because of the use of heavy metal free colored
pigments...

...Title Terms: PICTURE ;

11/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014377668 **Image available**
WPI Acc No: 2002-198371/200226
XRPX Acc No: N02-150865

Image processor adjusts enhancement degree of intensity of color-phase
signal based on correction factor computed continuously depending
computed intensity of color-phase signal

Patent Assignee: FUJI XEROX CO LTD (XERF)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 2001230941 A 20010824 JP 200040762 A 20000218 200226 B

Priority Applications (No Type Date): JP 200040762 A 20000218

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001230941	A		8	H04N-001/60	

Image processor adjusts enhancement degree of intensity of color-phase signal based on correction factor computed...

Abstract (Basic):

... The color-space converter (2) computes the intensity of a color-phase signal of input **image**. The correction factor is computed continuously depending on the computed intensity of the signal. The...
... a) **Image** processing method...

...b) Record medium with **image** processing program...

...In e.g. **image** processor...

...The intensity of specified **image** is enhanced efficiently and the natural **tint** is **maintained** efficiently...

...The figure shows the block diagram of **image** processor. (Drawing includes non-English language text...

Title Terms: **IMAGE** ;

?

21/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014407657 **Image available**
WPI Acc No: 2002-228360/200229
XRPX Acc No: N02-175360

Brightness correction circuit for image display has chrominance signal converter changing input signal in accordance with light characteristics of ambient light incident on image display stage
Patent Assignee: SHARP KK (SHAF); YAMAMOTO Y (YAMA-I); YOSHIDA Y (YOSH-I)
Inventor: YAMAMOTO Y; YOSHIDA Y
Number of Countries: 004 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10122949	A1	20011129	DE 1022949	A	20010511	200229 B
US 20010050757	A1	20011213	US 2001849272	A	20010507	200229
CN 1324066	A	20011128	CN 2001116908	A	20010515	200229
JP 2002041017	A	20020208	JP 200169365	A	20010312	200229

Priority Applications (No Type Date): JP 200169365 A 20010312; JP 2000141256 A 20000515

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 10122949	A1		37	G09G-003/36	
US 20010050757	A1			G03B-021/00	
CN 1324066	A			G09G-003/36	
JP 2002041017	A		25	G09G-005/00	

Brightness correction circuit for image display has chrominance signal converter changing input signal in accordance with light characteristics of ambient light incident on image display stage

Abstract (Basic):

... The device has an image display stage (1) for displaying an image according to an input chrominance signal A chrominance signal converter (6,7) converts the chrominance signal in accordance with the light characteristics of ambient light incident on the image display stage.

... A sensor (4) for detects the ambient light characteristic, whereby the converter converts the chrominance signal into a color suitable for a sensor output signal...

...INDEPENDENT CLAIMS are also included for an electronic unit with an image display device and an image display method...

...For displaying an image corresponding to an input chrominance signal

...

...an image to always be perceived by a user in the same manner if the ambient light conditions change...

...The drawing shows a block diagram representation of an image display device

...

... Chrominance signal converter (6,7...

... Sensor (4

23/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06219326 **Image available**
ALIGNER

PUB. NO.: 11-160887 [JP 11160887 A]
PUBLISHED: June 18, 1999 (19990618)
INVENTOR(s): MORI SUSUMU
APPLICANT(s): NIKON CORP
APPL. NO.: 09-337943 [JP 97337943]
FILED: November 21, 1997 (19971121)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a scanning type aligner where the intensity of **illuminating light** by plural projection optical systems is uniformized on a substrate in the case of the scanning type one suitable for exposing the large-sized substrate of a **liquid crystal display device** or the like.

SOLUTION: The pattern 10a of a mask 10 is illuminated with the **illuminating light** having plural kinds of **wavelength** $\lambda 1$ and $\lambda 2$, so that the image of the pattern 10a is exposed...
... systems 12a to 12e. In such a case, the light intensity on plural kinds of **wavelength** $\lambda 1$ and $\lambda 2$ of the **illuminating light** on projection areas 13a to 13e is measured by illuminance **sensors** 19a to 19e and 20a to 20e. Based on the measured result, the intensity of the **illuminating light** on the projection areas 13a to 13e is controlled to be uniformized by using a...

23/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

06082323
OPTICAL FILTER

PUB. NO.: 11-023837 [JP 11023837 A]
PUBLISHED: January 29, 1999 (19990129)
INVENTOR(s): NOMURA FUMIYASU
OKUNO MAYUMI
APPLICANT(s): TORAY IND INC
APPL. NO.: 09-179445 [JP 97179445]
FILED: July 04, 1997 (19970704)

ABSTRACT

... of a remote controller and easy to view a display body without being affected by **external light** even when an optical filter is attached to the front of a **display screen** by using the optical filter whose absorption rate and visual sensitive reflectance of a near...

... light, easy to process, easy to handle, etc. Further, the near infrared region means a **wavelength** region =700 nm and =1600 nm, and it can absorb particularly the near...

... ge;700 nm and =1000 nm used for an infrared remote controller and various **sensors** recently used for electrical products such as a TV, etc.

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23/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05654961 **Image available**
CHARGE RECEIPT TERMINAL EQUIPMENT WITH VARIABLE COLOR FUNCTION

PUB. NO.: 09-269761 [JP 9269761 A]
PUBLISHED: October 14, 1997 (19971014)
INVENTOR(s): OKUDAIRA MASAHIRO
APPLICANT(s): MITSUBISHI HEAVY IND LTD [000620] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-078936 [JP 9678936]
FILED: April 01, 1996 (19960401)

ABSTRACT

PROBLEM TO BE SOLVED: To make it possible to always automatically adjust color tone **display** of the **display unit** of a terminal equipment to an optimum color tone display by automatically varying the color tone of the **display unit** of the terminal equipment with a signal of a **wavelength detection sensor** of lighting...

...SOLUTION: A display part 2 is provided with the **wavelength detection sensor** 4 placed in the vicinity of the **display unit** 3. The detection signal of the **wavelength detection sensor** 4 is sent to a detection signal receiving circuit 6 of a control circuit 5...

... and the control signal of the color tone control circuit 7 is sent to the **display unit** 3, and it controls so as to vary automatically the color tone of the **display unit** 3 by the signal of the **wavelength detection sensor** 4 and to perform the optimum color tone **display**. Thus, the **display unit** 3 of the terminal equipment 1 set up in outdoor environment such as e.g...

... able to obtain the optimum color tone display under the lighting of all sorts of **wavelengths** such as **sunlight**, a mercury **lamp**, etc., and difficulty in display discrimination is dissolved.

23/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05073758 **Image available**
COLOR AND GLOSS-DEGREE MEASURING APPARATUS

PUB. NO.: 08-029258 [JP 8029258 A]
PUBLISHED: February 02, 1996 (19960202)
INVENTOR(s): MIZUNO TOSHIYUKI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-182983 [JP 94182983]
FILED: July 12, 1994 (19940712)

ABSTRACT

...a spectroscope 45 as uniform diffused light, it is divided into luminous fluxes at respective **wavelengths** in the spectroscope 45, the luminous fluxes reach a line **sensor** 46, and light intensity signals at respective

wavelengths are obtained. The signals at the wavelengths are computed by a color computation means, and a result is displayed on a display device 51. When a gloss degree is to be measured, the object S to be measured is attached to the same position, and the illumination light source 21 is turned on. Then, reflected light from a reflecting face onto which a...

... is computed by a gloss computation means 36, and a result is displayed on the display device 51.

23/3,K/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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03173009 **Image available**

ROTATION TYPE OPTICAL FILTER DEVICE

PUB. NO.: 02-148509 [JP 2148509 A]

PUBLISHED: June 07, 1990 (19900607)

INVENTOR(s): YAMATARI YOICHI

APPLICANT(s): FUJI PHOTO OPTICAL CO LTD [000543] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 63-299526 [JP 88299526]

FILED: November 29, 1988 (19881129)

JOURNAL: Section: M, Section No. 1016, Vol. 14, No. 395, Pg. 23, August 27, 1990 (19900827)

ABSTRACT

... to be detected, and detecting the line of bodies by means of a single optical sensor .

...

...CONSTITUTION: An illuminating lamp 1 is lighted and also a motor 16 is actuated to rotate a color wheel 4, thereby irradiating an object for observation with illumination of light in each range of wavelength R, G, B in sequence and in a divided manner, and a CCD 7 is...

...converted by means of a D/A converter 14R, 14G, 14B and sent to a display device , which then displays the color image of the object for observation.

23/3,K/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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03017352 **Image available**

GAS SENSOR

PUB. NO.: 01-314952 [JP 1314952 A]

PUBLISHED: December 20, 1989 (19891220)

INVENTOR(s): FURUTA TOSHIYUKI

HORIGUCHI HIROYUKI

KATANO YASUO

APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 63-147564 [JP 88147564]

FILED: June 14, 1988 (19880614)

JOURNAL: Section: P, Section No. 1016, Vol. 14, No. 116, Pg. 150,

March 05, 1990 (19900305)

GAS SENSOR

ABSTRACT

... specific gas and characterized by that the extreme value of an absorption spectrum and the **wavelength** of an inflection point are moved and detecting the moving quantities of both of the extreme value of the absorption spectrum and the **wavelength** of the inflection point...

...substrate and the absorbancy of hemoglobin in the element 2 is different according to a **wavelength** and the extreme value of absorbancy or the **wavelength** of an inflection point is moved according to concentration. Each spectrum generated from a light source 1 such as a halogen **lamp** 1 is absorbed corresponding to the concentration of carbon monoxide by the element 2 to...

... 3, a slit 4 and a mirror 5. Next, the spectrum diffracted corresponding to the **wavelength** of each spectrum by the lattice 6 is incident to the CCD array at the...

... Therefore, the output of each element of a CCD corresponds to the absorbancy at every **wavelength**. By processing said output according to a computer system by an operational **display apparatus** 8, the concentration of carbon monoxide can be detected.

23/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02540144 **Image available**
FOREIGN MATTER INSPECTION METHOD FOR METAL GRAIN

PUB. NO.: 63-157044 [JP 63157044 A]
PUBLISHED: June 30, 1988 (19880630)
INVENTOR(s): ISHIMOTO HAYAHARU
SUZUKI SHIGEO
APPLICANT(s): OSAKA TITANIUM SEIZO KK [350465] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-303651 [JP 86303651]
FILED: December 22, 1986 (19861222)
JOURNAL: Section: P, Section No. 783, Vol. 12, No. 422, Pg. 69,
November 09, 1988 (19881109)

ABSTRACT

... a body to be inspected which is conveyed in plural directions, extracting light components with **wavelengths** of red, green, and blue from reflected light from the body to be inspected and...

... arranged on one side of the intermediate part of this conveyor 1 and a halogen **lamp** 4 for plural-beam projection 3 and a **sensor** probe 6 which receives the reflected light from the body A to be inspected are...

...and feeder 1a are driven to supply the body A to be inspected, and the **lamp** 4 is turned on. Then the reflected light 5 from the body A to be...

... color measuring instrument 8 through the probe 6 to extract the light beams with the **wavelengths** of red, green, and blue, which are converted into electric signals and outputted. An arithmetic...

... the unit 8 and the result of the foreign matter inspection is displayed on a **display device** 10.

23/3,K/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02494503 **Image available**
DISPLACEMENT MEASURING INSTRUMENT

PUB. NO.: 63-111403 [JP 63111403 A]
PUBLISHED: May 16, 1988 (19880516)
INVENTOR(s): HAYASHI MASAKAZU
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-256817 [JP 86256817]
FILED: October 30, 1986 (19861030)
JOURNAL: Section: P, Section No. 763, Vol. 12, No. 361, Pg. 1, September 28, 1988 (19880928)

ABSTRACT

... i2) of projection to become luminous flux $L(\text{sub } 4)$, which travels to a photoelectric **sensor** 3 and is converted photoelectrically. The output of the **sensor** 3 is inputted to a processor 4 in the form of a voltage or current. At this time, a little **light** leaks to an **external** field from the border between the optical component 2 and the medium as the external

...
...5 comes close to the bottom surfaces S of the optical component 2 up to **wavelength** order, luminous flux $L(\text{sub } 2)$ is reflected at a point B while the leaking...

...flux $L(\text{sub } 3)$ and $L(\text{sub } 4)$, so that the luminous flux traveling the **sensor** 3 is reduced. This is found from the output of the photoelectric **sensor** 3 and the output is measured, so that the interval (x) is calculated by the processor 4 and displayed on a **display device** 6.

23/3,K/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

00656930 **Image available**
TWO- **WAVELENGTH** PHOTOMETER FOR MEASURING MICROPLATE

PUB. NO.: 55-144530 [JP 55144530 A]
PUBLISHED: November 11, 1980 (19801111)
INVENTOR(s): YAGYU SUSUMU
APPLICANT(s): YAGYU SUSUMU [000000] (An Individual), JP (Japan)
APPL. NO.: 54-053009 [JP 7953009]
FILED: April 27, 1979 (19790427)
JOURNAL: Section: P, Section No. 47, Vol. 05, No. 17, Pg. 28, January 31, 1981 (19810131)

TWO- **WAVELENGTH** PHOTOMETER FOR MEASURING MICROPLATE

ABSTRACT

... sample liquid, by dividing light transmitted through the sample liquid into two portions, performing two- **wavelength** light measurement,

logarithmically converting the detection outputs of a two- **wavelength** light measuring unit, determining the difference between the converted outputs and indicating the difference...

...CONSTITUTION: Light from a **lamp** 6 is condensed so that a small light beam is conducted into the cell sections...

... through a sample liquid 3 and conducted to the translucent mirror 11 of a two- **wavelength** measuring unit so that the light beam is divided into transmitted light and reflected light. The divided light portions are passed through filters 12a, 12b of different transmission **wavelength** regions and detected by light **sensors** 13a, 13b. The outputs of these **sensors** are logarithmically converted. The difference between the converted outputs is determined to detect the absorbance...

... constituent concentration of the sample liquid can thus be determined. The outputs of the light **sensors** 13a, 13b are supplied to a calculator 15 to perform computation mentioned above. The output of the calculator is indicated on a **display unit** 33.

23/3,K/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
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00418879
SPECTROSCOPIC FLUORESCENT COLOR METER

PUB. NO.: 54-070879 [JP 54070879 A]
PUBLISHED: June 07, 1979 (19790607)
INVENTOR(s): BABA GORO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 52-136709 [JP 77136709]
FILED: November 16, 1977 (19771116)
JOURNAL: Section: E, Section No. 128, Vol. 03, No. 92, Pg. 131, August
04, 1979 (19790804)

ABSTRACT

... which is reflected or transmitted at the sample, into that having the same or different **wavelength** as or from the incident light to separately store the received output when the incident **wavelength** from a light source is changed...

... by a diffractive grating 8 having a concave side to the position of an image **sensor** 9 corresponding to the incident **wavelength**. Then, the reference white plate 3 is replaced by a sample 4 containing a fluorescent light, and similar measurements are accomplished so that the signals from the **sensor** 9 in the same **wavelength** as the incident light are stored in the first memory 11, whereas the incident light are stored in the first memory 11, whereas the signals from the **sensor** having different **wavelength** are stored in the memory 12. The illuminating light is scanned with the spectroscopic means so that the signals at respective **wavelengths** are summed at the memories 11 and 12. Then, it is possible to separately display the spectroscopic reflection and fluorescent lights in first and second **display units** 13 and 14.

23/3,K/11 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014329394 **Image available**
WPI Acc No: 2002-150097/200220
XRPX Acc No: N02-113792

Electron beam transfer exposure system for manufacture of display device , has field emission element formed as flat pattern on inner side of substrate with electronic self release mold plate

Patent Assignee: IWAMATSU S (IWAM-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2001118772	A	20010427	JP 99294742	A	19991018	200220 B

Priority Applications (No Type Date): JP 99294742 A 19991018

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001118772	A		5	H01L-021/027	

Electron beam transfer exposure system for manufacture of display device , has field emission element formed as flat pattern on inner side of substrate with electronic...

Abstract (Basic):

... For use during manufacture of liquid crystal display panel, micro machine apparatus , high speed switching element, sensor , semiconductor device etc...

...element is itself formed as a pattern in the mask plate, need for ultraviolet ray lamp is avoided. Transfer of fine pattern can be performed even using ultraviolet rays of wavelength below 0.1 mum. Since photocathode is not used, durability of mask plate is improved...

23/3,K/12 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012980973 **Image available**
WPI Acc No: 2000-152826/200014
XRPX Acc No: N00-113809

Wafer mark position detection method using off-axis type alignment sensor during manufacture of semiconductor device, image pick up element, liquid crystal display element, thin film magnetic head etc - has illumination lights with different polarization characteristics to irradiate test mark on wafer to obtain focal and positional information from reflected beams received with respect to both illumination lights

Patent Assignee: NIKON CORP (NIKR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000012445	A	20000114	JP 98178736	A	1998062	200014 B

Priority Applications (No Type Date): JP 98178736 A 19980625

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000012445	A		22	H01L-021/027	

Wafer mark position detection method using off-axis type alignment sensor during manufacture of semiconductor device, image pick up element, liquid crystal display element, thin film magnetic head

etc...

...Abstract (Basic): the amount of defocus are estimated from the reflected beams (53,54) corresponding to the **illumination light** for focal measurement (FL). An INDEPENDENT CLAIM is also included for an exposure system...

...For detecting wafer mark during pattern transfer manufacture of semiconductor device, image pick up element, **liquid crystal display** element, thin film magnetic head etc...

...ADVANTAGE - Eliminates use of beam with a **wavelength** larger than that of a beam for position detection. Detects focal position and amount of ...

...shorten instrumentation time. DESCRIPTION OF DRAWING(S) - The drawing indicates a block diagram of alignment **sensor** . (7) Tested mark; (10) Wafer; (13a,13b) Signal processor; (AL,FL) Illumination lights; (53,54 ...

23/3,K/13 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012871338 **Image available**
WPI Acc No: 2000-043171/200004
XRPX Acc No: N00-032753

Wafer position detector for alignment apparatus used during manufacture of semiconductor device - detects positional information of wafer based on reflected light

Patent Assignee: NIKON CORP (NIKR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11304422	A	19991105	JP 98109948	A	19980420	200004 B

Priority Applications (No Type Date): JP 98109948 A 19980420

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11304422	A	13	G01B-011/00	

...Abstract (Basic): NOVELTY - The **wavelength** of the **illumination light** (IL) irradiated on the mark (AM) on wafer (W) is divided into predetermined **wavelength** range. The reflected light (RL) from the mark is detected and the positional information of...

...USE - For alignment apparatus used for aligning position of substrates during manufacture of **liquid crystal display** element...

...obtained accurately. DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the alignment **sensor** . (AM) Mark; (IL) **Illumination light** ; (RL) Reflected light; (W) Wafer...

23/3,K/14 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012832521 **Image available**
WPI Acc No: 2000-004353/200001

XRPX Acc No: N00-003799

External light radiation regulator for hand held terminal used for
reading 2D bar code - has cap that prevents transmission of specific
wavelength of light from exterior to 2D data symbol

Patent Assignee: NIPPON CHEMICON CORP (NIEM)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11282951	A	19991015	JP 98103327	A	19980331	200001 B

Priority Applications (No Type Date): JP 98103327 A 19980331

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11282951	A	6	G06K-007/10	

External light radiation regulator for hand held terminal used for
reading 2D bar code...

...has cap that prevents transmission of specific wavelength of light
from exterior to 2D data symbol

...Abstract (Basic): 12) having transparent board (13) an fixed at the
opening (11), prevents transmission of specific wavelength of light
from exterior. A filter (16) is arranged in the optical path between
the transparent board and the image sensor (17). The light beam that
is reflected from the 2D data symbol is made to transmit through the
filter to the image sensor . DETAILED DESCRIPTION - The 2D data symbol
(4) is illuminated by a light source (14). The light reflected by the
symbol is transmitted to the image sensor . A decoder converts the
read image data to corresponding data...

...ADVANTAGE - Prevents reading error generation by disturbance light by
projecting light of only specific wavelength to image sensor .
Enables easy alignment of reading opening and symbol by confirming
symbol visually. Increases reading accuracy...

...for unique inclusion of filter. Reduces power consumption to obtain
desired brightness by using red LCD having high luminous efficiency.
DESCRIPTION OF DRAWING(S) - The figure shows sectional view of hand...

...symbol; (11) Opening; (12) Cap; (13) Transparent board; (14) Light
source; (16) Filter; (17) Image sensor ; (17) Cap...

...Title Terms: WAVELENGTH ;

23/3,K/15 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012783982 **Image available**

WPI Acc No: 1999-590208/199950

XRPX Acc No: N99-435271

Color wheel synchronization apparatus in multimedia projector of FSC
display system

Patent Assignee: IN FOCUS SYSTEMS INC (INFO-N)

Inventor: PASSON E D; STARK S E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5967636	A	19991019	US 98136799	A	19980819	199950 B

Priority Applications (No Type Date): US 98136799 A 19980819

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5967636	A		8	G03B-021/14	

Abstract (Basic):

... from light source (32) and changes the beam into color modulated light beam. A light **sensor** (68) receives scattered component of the modulated light and generates timing mark signal. A display...

... The timing mark signal is generated in response to predetermined **wavelengths** of the scattered beam component. A **display device** (50) receives the FSC modulated light beam and produces displayable color image. The light **sensor** (68) includes a photodetector (70) having maximum sensitivity to red **wavelength** and near infra-red **wavelength** of light. An INDEPENDENT CLAIM is also included for synchronizing color wheel in multimedia projector...

...source illumination level, it is used to track light source life and condition to predict **lamp** change events. The inherent simplicity and accuracy of the color wheel enables implementing a lighter...

... **Display device** (50...

...Light **sensor** (68

23/3,K/16 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012602546 **Image available**

WPI Acc No: 1999-408650/199935

XRPX Acc No: N99-305025

Illumination controller of exposure system used in photolithographic process - has illumination sensor to detect optical intensity of each wavelength of light based on which illumination is controlled

Patent Assignee: NIKON CORP (NIKR)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11160887	A	19990618	JP 97337943	A	19971121	199935 B

Priority Applications (No Type Date): JP 97337943 A 19971121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11160887	A		9	G03F-007/20	

... **has illumination sensor to detect optical intensity of each wavelength of light based on which illumination is controlled**

...Abstract (Basic): system (L1-L5) illuminates pattern (10a) of a mask (10) with illuminating lights of same **wavelengths** (λ_1 , λ_2). The pattern is then image formed on a substrate (14). Illumination **sensor** (19,20) measures the optical intensity of every **wavelength** of the illumination lights. Based on the measured optical intensity, the illumination of the light...

...USE - For substrate exposure system used in photolithographic process for manufacturing **liquid crystal display** , semiconductor **device** ,

thin film magnetic head...

...ADVANTAGE - The optical intensity of each illumination light is equalized on substrate, thereby offering precise scanning. DESCRIPTION OF DRAWING(S) - The figure shows the diagram of the exposure system. (10) Mask; (10a) Illuminates pattern; (19,20) Illumination sensor; (L1-L5) Illumination optical system...
...Title Terms: WAVELENGTH;

23/3,K/17 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012536483
WPI Acc No: 1999-342589/199929
XRPX Acc No: N99-257123

Position detector used as alignment sensor for exposure system used in manufacture of e.g. semiconductor device, liquid - crystal display element, image-pick-up element and thin-film magnetic head - has light-quantity control circuit which regulates output of laser diode, based on detected quantity of light of He-Ne laser light source which generates light of wavelength different from laser diode

Patent Assignee: NIKON CORP (NIKR)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11125505	A	19990511	JP 97290874	A	19971023	199929 B

Priority Applications (No Type Date): JP 97290874 A 19971023

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11125505	A	11	G01B-011/00	

Position detector used as alignment sensor for exposure system used in manufacture of e.g. semiconductor device, liquid - crystal display element, image-pick-up element and thin-film magnetic head...

...on detected quantity of light of He-Ne laser light source which generates light of wavelength different from laser diode

...Abstract (Basic): NOVELTY - The photoelectric sensors (54,58) monitor the quantity of illumination light from the He-Ne laser light source. Depending on the detection result, a light-quantity...

...of the laser diode. DETAILED DESCRIPTION - A He-Ne laser light source (56) generates an illumination light which has a wavelength different from the illumination light generated by a laser diode (52...

...USE - Used as alignment sensor for detecting alignment mark on substrate on which mask pattern is transferred. For exposure system used in manufacture of e.g. semiconductor device, liquid - crystal display element, image-pick-up element and thin-film magnetic head...

...light sources in proper proportion. DESCRIPTION OF DRAWING(S) - (52) Laser diode; (54,58) Photoelectric sensors; (56) He-Ne laser light source; (59) Light-quantity control circuit...

...Title Terms: WAVELENGTH;

23/3,K/18 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012074402 **Image available**
WPI Acc No: 1998-491313/199842
XRPX Acc No: N98-384444

Emergency-vehicle guiding system - has controller which replaces traffic information, currently displayed on display device , with emergency-vehicle approach notification information based on detection signal from emergency-vehicle detector

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10214399	A	19980811	JP 9715539	A	19970129	199842 B

Priority Applications (No Type Date): JP 9715539 A 19970129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10214399	A		14	G08G-001/0965	

... has controller which replaces traffic information, currently displayed on display device , with emergency-vehicle approach notification information based on detection signal from emergency-vehicle detector

...Abstract (Basic): The system has an image sensor which obtains an image showing a road condition. An emergency-vehicle detector (14) extracts only the image signal, among the image signals generated by the image sensor , whose wavelength characteristic corresponds to e.g. red colour lamp .

...

...of comparison between extracted image signals corresponding to time series. A controller (16) operates a display device (4) to replace a displayed traffic information with a notification information, which indicates that an

23/3,K/19 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011191187 **Image available**
WPI Acc No: 1997-169112/199716
XRPX Acc No: N97-139108

Hologram colour filter inspection appts for colour LCD device - computes position, path and brightness of each condensing spot image of brightness distribution image of CCD line sensor

Patent Assignee: DAINIPPON PRINTING CO LTD (NIPQ)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9033392	A	19970207	JP 95181697	A	19950718	199716 B

Priority Applications (No Type Date): JP 95181697 A 19950718

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9033392	A		6	G01M-011/00	

Hologram colour filter inspection appts for colour LCD device...

...path and brightness of each condensing spot image of brightness distribution image of CCD line sensor

...Abstract (Basic): 5) consists of an array of hologram component of condensing nature, arranged periodically. In the **wavelength** the dispersion of white light, each hologram component makes and projects an angle to the...

...of the recording surface in the direction along the recording surface. A laser (12) irradiates **illumination light** of predetermined **wavelength** by a predetermined projection angle (theta) in the hologram colour filter...

...A CCD **sensor** (17) carries out pick-up of brightness distribution image in the image formation surface parallel...

...Title Terms: **LCD** ;

23/3,K/20 (Item 10 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2003 Thomson Derwent. All rts. reserv.

004635552

WPI Acc No: 1986-138895/198622

XRPX Acc No: N86-102643

Colour of object determining appts. - estimates surface spectral reflectance and relative spectral power of ambient light using predetermined sensor response

Patent Assignee: UNIV LELAND STANFORD JUNIOR (STRD)

Inventor: MALONEY L T; WANDELL B A

Number of Countries: 011 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 182496	A	19860528	EP 85307425	A	19851015	198622 B
AU 8548523	A	19860424				198624
US 4648051	A	19870303	US 84660938	A	19841015	198711
EP 182496	B1	19920916	EP 85307425	A	19851015	199238
DE 3586650	G	19921022	DE 3586650	A	19851015	199244
			EP 85307425	A	19851015	

Priority Applications (No Type Date): US 84660938 A 19841015

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 182496	A	E	22		

Designated States (Regional): BE CH DE FR GB IT LI NL SE

EP 182496 B1 E 20 G01J-003/46

Designated States (Regional): BE CH DE FR GB IT LI NL SE

DE 3586650 G G01J-003/46 Based on patent EP 182496

... **estimates surface spectral reflectance and relative spectral power of ambient light using predetermined sensor response**

...Abstract (Basic): A two-dimensional array of **sensors** (10) provides a given number 1P, of different kinds of **sensor** . It is determined that the **sensor** response accords with the equation:-e(K) power x = integral of (E(1) S power x (1) R(K) 1 dl) where the responses of all the **sensors** are represented by a vector e-((e(1) .. e(P)) and E(1)

represents the **ambient light** , $S(1)$ represents the surface reflectance of the object, $R(K)$ (1) represents the spectral sensitivity of each of the **sensors** in terms of the fraction of light incident upon each **sensor** and absorbed at each **wavelength** .

...

- ...are converted (14) to the CIE colour tri-stimulus co-ordinates and output on a **display device** (16...
- ...USE/ADVANTAGE - Estimates accurately surface reflectance characteristics of object despite incomplete knowledge of **ambient light** . Light meter can be built which advises photographer as to correct colour filter to use
- ...Abstract (Equivalent): object, comprising the steps of receiving signals from a plurality P of independent kinds of **sensors** to provide an array of **sensor** responses, each location x in said array containing **sensor** responses from the plurality P of independent kinds of **sensors** , wherein all the **sensor** responses at an array location x are represented by a vector ρ x , approximating the...
- ...of the surface of said object and the relative spectral energy $E(\lambda)$ of the **ambient light** by respective weight vectors σ x , ϵ having N and M components respectively denoting degrees...
- ...the surface reflectance for each array location x , and the vector ρ x of the **sensor** responses for each array location x , by a matrix A_{ϵ} whose entries depend on the **ambient light** ; characterised in that said array contains responses from at least M and at least $N+1$ independent kinds of **sensors** , such that said equation becomes overdetermined, allowing an estimation of said matrix entries...
- ...Abstract (Equivalent): The data sensed by $N+1$ **sensor** classes is used to define a finite dimensional approx. of a surface reflectance function at each image point, and a finite dimensional approximation of the **ambient light** . The light reflected from a surface causes a strength of response in the k th class of **sensor** , at a position x , according to the formula (1...
- ... P classes of **sensor** are provided, with the responses of all the **sensors** represented by a vector (2). Two approximating formulas are employed, (3) one to simplify the description of the **ambient light** and a second (4) to simplify the description of the surface reflectance
- ...
- ...ADVANTAGE - Eliminates need to use different films for different **ambient light** conditions. (9pp)E

23/3,K/21 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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004559518

WPI Acc No: 1986-062862/198610

XRPX Acc No: N86-046026

Radiation image stored on solid plate - is read out line by line using linear light excitation and detector lens system

Patent Assignee: TOSHIBA KK (TOKE)

Inventor: LINUMA K; OHYAMA Y

Number of Countries: 003 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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DE 3529296	A	19860227	DE 3529296	A	19850816	198610	B
JP 61049557	A	19860311				198616	
JP 61052066	A	19860314				198617	
JP 61052067	A	19860314				198617	
US 4767927	A	19880830	US 85765243	A	19850813	198837	

Priority Applications (No Type Date): JP 84173370 A 19840822; JP 84171205 A 19840816; JP 84173369 A 19840822

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 3529296	A		54		
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...Abstract (Basic): The stored image is then read out in lines and processed, for example for subsequent **display** on a monitor **screen**. A linear light source (20), of selected **wavelength**, emits radiation (25EL) to excite the phosphor along one line of the plate (10...

...Grin lens. A filter (27) may be added to block light transmission originating from the **lamp**. The light is then passed to a line **sensor** (28) where it is converted into electrical signals. One signal path leads to the image...

...the other to the control system which steps the plate in line increments under the **lamp** and reader (51, 50, 56, 58, 14, 12...

...Abstract (Equivalent): A line **sensor** detects the accelerated phosphorescence transferred from the irradiated one line of the image recording member...

23/3,K/22 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004539954

WPI Acc No: 1986-043298/198607

XRFX Acc No: N86-031618

Colour copier with removable developing station or toner cassette - containing colour toner indicated through transparent window and sensor to transmit corresp. signal for copying conditions

Patent Assignee: SHARP KK (SHAF)

Inventor: YOSHIURA S

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3524506	A	19860206	DE 3524506	A	19850709	198607 B
US 4666290	A	19870519	US 85752858	A	19850708	198722
DE 3524506	C	19870716				198728

Priority Applications (No Type Date): JP 84U104590 U 19840709

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 3524506	A		12		
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... containing colour toner indicated through transparent window and sensor to transmit corresp. signal for copying conditions

...Abstract (Basic): indicating unit (3a), which is connected to the development station (3) or toner cassette. A **lamp** (5) is arranged behind the transparent window for the illumination of the colour indicating unit...

30/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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004261334

WPI Acc No: 1985-088212/198515

XRPX Acc No: N85-065994

Endoscope optical system for colour TV - uses optical filter between light source and distribution lens for spectral light correction

Patent Assignee: OLYMPUS OPTICAL CO LTD (OLYU)

Inventor: FUJIMORI H; NAGASAKI T

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3432157	A	19850404	DE 3432157	A	19840821	198515 B
US 4663657	A	19870505	US 84645309	A	19840829	198720
DE 3432157	C	19871022	DE 3432157	A	19840831	198742

Priority Applications (No Type Date): JP 83163596 A 19830905

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3432157	A	11		

Endoscope optical system for colour TV...

...uses optical filter between light source and distribution lens for spectral light correction

...Abstract (Basic): The endoscope with an objective lens at the end of its tube and a photoelectric **sensor** behind it, has a light distribution system with a distributor lens below the objective lens...

...The photoelectric **sensor** behind the objective lens is followed by a preamplifier for the three primary **colour** signals which are used to give a coloured limage on a monitoring **screen** . In an alternative design, the filter can be incorporated between the objective lens and the photoelectric **sensor** .

...

...ADVANTAGE - The filter is used to **correct** the spectral properties of the light from the light source for a tune **colour** reproduction on the **screen** .

...Abstract (Equivalent): The camera system has an optical filter (20) to **correct** the spectral properties ofthe total lightpath in the lighting device (13-18). the objective optics (3) and the solid state camera (4). The filter lies between a **lamp** (16) and a condensor (18), both located inside the light source serving the endoscope...

...optics and the camera. The filter weights the light so as to produce a faithful **colour image** . The filter can be replaced...

...USE/ADVANTAGE - For endoscope. Produces true clear **colour picture** . (5pp)

...Abstract (Equivalent): a mechanism for transmitting the light along a path to an object being observed. A **image** pickup optical system produces a **color image** of the object being observed, the system including a solid-state **image** pickup device and a mechanism for transmitting **illuminating light** reflected off the object to the observed along a second optical path to the pickup. An optical filter is provided for **correcting** spectral **image** pickup properties of the

overall optical path, the optical filter being located in at least...

...weight to the spectral properties of elements constituting both the illumination optical system and the **image** pickup optical system in a manner which **corrects** the spectral properties of an **illumination light** incident upon the solid-state **image** pickup device in a uniform manner in a visual ray **wavelength** spectral zone so as to ensure that the **image** pickup optical system produces a faithful **color image** of the object to be observed...

...ADVANTAGE - Provides clear **image** . (5pp)

...Title Terms: **COLOUR** ;

?

34/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06941502 **Image available**
ILLUMINATOR, **IMAGE** READER AND **IMAGE** READING METHOD

PUB. NO.: 2001-169053 [JP 2001169053 A]
PUBLISHED: June 22, 2001 (20010622)
INVENTOR(s): SAITO NAOTO
APPLICANT(s): CANON COMPONENTS INC
APPL. NO.: 11-348018 [JP 99348018]
FILED: December 07, 1999 (19991207)

ILLUMINATOR, **IMAGE** READER AND **IMAGE** READING METHOD

INTL CLASS: H04N-001/04; G03B-027/54 ; G06T-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To make **illumination light** sufficiently insure light quantity at a position to be read on a surface of original in an ultra-thin typed linear **image sensor** for color using a rod lens array having a fast reading rate and high resolution...

... have high luminance and a line-shaped optical path and are respectively independent about three **wavelengths** of red, green and blue is housed in the housing 2 also operating as an...

34/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06278098 **Image available**
FLUORESCENT **LAMP** , SOLID **IMAGE** PICKUP ELEMENT AND **IMAGE** READING DEVICE

PUB. NO.: 11-219687 [JP 11219687 A]
PUBLISHED: August 10, 1999 (19990810)
INVENTOR(s): IMAI SHUICHI
APPLICANT(s): FUJI XEROX CO LTD
APPL. NO.: 10-019685 [JP 9819685]
FILED: January 30, 1998 (19980130)

FLUORESCENT **LAMP** , SOLID **IMAGE** PICKUP ELEMENT AND **IMAGE** READING DEVICE

INTL CLASS: H01J-061/44; G03B-027/54 ; H04N-001/04

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **lamp** capable of reading invisible information by sealing gas in a tubular transparent member, and coating...

... is coated with a phosphor 64 at a uniform thickness. The light in the prescribed **wavelength** range is generated by sealed gas 63 via a discharge between two electrodes 62, the...

... a material easily transmitting ultraviolet rays to guide the generated ultraviolet rays to a line **sensor** more effectively.

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34/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06025748 **Image available**
ORIGINAL READER

PUB. NO.: 10-308848 [JP 10308848 A]
PUBLISHED: November 17, 1998 (19981117)
INVENTOR(s): INOUE TOSHIYUKI
APPLICANT(s): FUJI PHOTO FILM CO LTD [000520] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-118357 [JP 97118357]
FILED: May 08, 1997 (19970508)

INTL CLASS: H04N-001/04; H04N-001/04; G03B-027/54

ABSTRACT

...SOLUTION: The original reader 10 uses a metal halide lamp 22 whose color temperature is about 7,000 deg.K as a light source, and a light emitted from the lamp 22 and reflected at a reflector 24 is emitted onto a photo film 22 via...

... film transmits through a lens section 44 and is made incident onto an area CCD sensor 46. Since the metal halide lamp 22 has a comparatively large luminous amount of a light with a wavelength band equivalent to a color light B, the CCD sensor 46 reads a film image recorded on the photo film 12 at a high speed and high S/N ratio. A wavelength with a maximum luminous amount is shifted toward a visual light wavelength more than that of a halogen lamp or the like by employing a light source with a high color temperature, concretely a...

...4,000 deg.K or over, then the luminous amount of the light with each wavelength band equivalent to those of color lights G, B is not largely biased among the...

34/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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05575052 **Image available**
FOCUS DETECTION DEVICE

PUB. NO.: 09-189852 [JP 9189852 A]
PUBLISHED: July 22, 1997 (19970722)
INVENTOR(s): OSAWA KEIJI
APPLICANT(s): NIKON CORP [000411] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-019397 [JP 9619397]
FILED: January 10, 1996 (19960110)

INTL CLASS: G02B-007/34; G03B-013/36

ABSTRACT

...prevent the accuracy of a focus detecting action depending on artificial illumination other than auxiliary illumination light from being deteriorated in an area where the focus detecting action depending the auxiliary illumination light is not executed as for a focus detection device executing the focus detecting action depending on the auxiliary

illumination light .

... that the focus can be detected in the plural focus detection areas in a photographic **picture** frame by combining plural secondary **image** forming phase difference system focus detection optical systems forming the **image** of an object **image** obtained by a photographing lens on a pair of line **sensors** again by using a pair of secondary **image** forming lenses and detecting the focusing state of the photographing lens based on the relative deviation of the secondary object **image** . Besides, this device is provided with infrared light cut-off filters IR1-IR3 arranged in...

... systems and used for cutting off infrared light and constituted so that the longest transmitted **wavelength** of the filter IR1 corresponding to at least one area out of the plural focus

34/3,K/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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04497245 **Image available**
PICTURE PROCESSOR

PUB. NO.: 06-141145 [JP 6141145 A]
PUBLISHED: May 20, 1994 (19940520)
INVENTOR(s): NAGASE TETSUYA
YOSHINAGA KAZUO
ARIMOTO SHINOBU
SASANUMA NOBUATSU
UTAGAWA TSUTOMU
HAYASHI TOSHIO
NAKAI TAKEHIKO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-286382 [JP 92286382]
FILED: October 23, 1992 (19921023)
JOURNAL: Section: E, Section No. 1594, Vol. 18, No. 447, Pg. 156,
August 19, 1994 (19940819)

PICTURE PROCESSOR
INTL CLASS: H04N-001/04; H04N-001/04; G02B-005/20; **G03B-027/54** ;
G03G-015/00; G03G-015/01; G03G-021/00; H04N-001/40

ABSTRACT

PURPOSE: To surely discriminate a specific original by providing a **picture** processor with a lighting means with which an original is irradiated and a filter for...

...CONSTITUTION: An optical **wavelength** band lighting an original 204 is revised by selecting a filter 5203 or 5204 inserted...

...204 is irradiated with only the ultraviolet ray of the irradiation light of a fluorescent **lamp** 5205 by a visual light cut filter 5203. Then only the light excluding the ultraviolet ray from the light reflected on the original 204 is sent to a **sensor** via a reflection mirror 206 by an ultraviolet ray cut-filter 5204. When usual full...

...ray by the ultraviolet ray cut-filter 5204 from the irradiation light of the fluorescent **lamp** 5205. Then the light reflected on the original 204

is sent to the **sensor** via a reflection mirror 206.

34/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
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03567245 **Image available**
EXPOSURE CONTROLLER

PUB. NO.: 03-230145 [JP 3230145 A]
PUBLISHED: October 14, 1991 (19911014)
INVENTOR(s): TERASHITA TAKAAKI
APPLICANT(s): FUJI PHOTO FILM CO LTD [000520] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-025496 [JP 9025496]
FILED: February 05, 1990 (19900205)
JOURNAL: Section: P, Section No. 1296, Vol. 16, No. 9, Pg. 128, January 10, 1992 (19920110)

INTL CLASS: **G03B-027/72**

ABSTRACT

PURPOSE: To make the spectral sensitivity distribution of an original **image** coincide with a copying photosensitive material with high accuracy by performing the photometry of light transmitted through an interference filter having a specified angle and spectrally splitting **wavelength** bands corresponding to the respective red light, green light and blue light into plural split...

... photometric part of a photometry optical system and the color of the light from a **lamp** house 10 is separated by the interference filter 30. In such a case, the filter...

... to change the angle made by the filter 30 with incident light and the respective **wavelength** bands of the red light, the green light and the blue light are spectrally split...

... beams by the filters 30R, 30G and 30B, then the photometry is performed by line **sensors** 64, 66 and 68 and a **sensor** 34. Next, a control circuit 36 arithmetically operates a synthetic value equal to a value...

34/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
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03379786 **Image available**
COLOR **IMAGE** READER

PUB. NO.: 03-042686 [JP 3042686 A]
PUBLISHED: February 22, 1991 (19910222)
INVENTOR(s): SEYA MICHITAKA
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-177555 [JP 89177555]
FILED: July 10, 1989 (19890710)
JOURNAL: Section: P, Section No. 1201, Vol. 15, No. 188, Pg. 32, May 15, 1991 (19910515)

COLOR **IMAGE** READER

INTL CLASS: G03G-015/01; G03B-027/50

ABSTRACT

PURPOSE: To read a color **image** digitally with high accuracy by appropriately setting the **wavelength** band of color light included in **illuminating light** from a means illuminating a color **image**, the configuration of a color splitting prism, etc...

...CONSTITUTION: The illuminating means 101 illuminates a color **image** on an original surface 1 with three color lights whose **wavelength** bands are made narrow, and projecting optical systems 8 to 10 project the **image** on the surface of a detecting means 103 arranged on the surface of a substrate 11 on which three line **sensors** 13 to 15 are arranged in parallel. When the detecting means 103 reads the color **image**, it guides light from the color **image** in an optical path from the original surface 1 to the detecting means 103 to the line **sensors** 13 to 15 after the flux is split into three color lights by the color...

... to the three color lights in a direction perpendicular to the direction in which the **picture** elements of the line **sensors** 13 to 15 are arranged. Consequently, a color **image** can be read digitally with high accuracy.

34/3,K/8 (Item 8 from file: 347)

DIALOG(R) File 347:JAPIO

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02764139

IMAGE FORMING DEVICE

PUB. NO.: 01-061739 [JP 1061739 A]

PUBLISHED: March 08, 1989 (19890308)

INVENTOR(s): TAKAGI YASUSHI

ISHIGAKI KOJI

APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 62-216394 [JP 87216394]

FILED: September 01, 1987 (19870901)

JOURNAL: Section: P, Section No. 888, Vol. 13, No. 269, Pg. 90, June 21, 1989 (19890621)

IMAGE FORMING DEVICE

INTL CLASS: G03B-027/62 ; G03G-015/04

ABSTRACT

...CONSTITUTION: The density detecting **sensor** for the document possesses spectral characteristic approximate to drum sensitivity characteristic and detects the density of the surface of the document in a document reflection level. A size detecting **sensor**, on the other hand, detects difference between a conveying belt whose reflectance is low and the document whose reflectance is comparatively high in a short **wavelength** band in which the drum sensitivity is low. Thus, the existence of the document can be judged according to output values and output difference from both **sensors**. If the document is left, the display of warning such as lighting a **lamp**, flickering and the output of a buzzer tone, etc., is executed on an operation display...

34/3,K/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
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02572955 **Image available**
RECORDER/READER FOR RADIATION **IMAGE** INFORMATION

PUB. NO.: 63-189855 [JP 63189855 A]
PUBLISHED: August 05, 1988 (19880805)
INVENTOR(s): ARAKAWA SATORU
HOSOI YUICHI
TAKAHASHI KENJI
APPLICANT(s): FUJI PHOTO FILM CO LTD [000520] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 62-021957 [JP 8721957]
FILED: February 02, 1987 (19870202)
JOURNAL: Section: P, Section No. 798, Vol. 12, No. 470, Pg. 93,
December 09, 1988 (19881209)

RECORDER/READER FOR RADIATION **IMAGE** INFORMATION

INTL CLASS: G03B-042/02

ABSTRACT

... the titled device and to improve the efficiency of erasion by reading out a radiation **image** on a fluorescent sheet and erasing the contents of the sheet by the discharge of...

...rotation of a feed screw 51 of a unit moving means 50 and a radiation **image** accumulated on the fluorescent sheet 2 is read out through a line **sensor** 40 by radiating excited light based upon a fluorescent **lamp** 21 in an excited light radiating means 20. At the time of backward movement of the unit 4 by reversing the screw 51, the **lamp** 21 is turned off and radiation energy left on the sheet 2 is discharged and erased from the sheet 2 by radiated light consisting mainly of light in an excited **wavelength** area based upon an erasing light source 33 turned on by an erasing means 30...

34/3,K/10 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013038727 **Image available**
WPI Acc No: 2000-210580/200019
XRPX Acc No: N00-157377

Solid state image pick-up for image sensor of camera, has two rows of photoelectric conversion units whose outputs are forwarded to output circuits through two registers and then synthesized

Patent Assignee: TOSHIBA KK (TOKE)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11337815	A	19991210	JP 98144940	A	19980527	200019 B

Priority Applications (No Type Date): JP 98144940 A 19980527

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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Solid state image pick-up for image sensor of camera, has two rows of photoelectric conversion units whose outputs are forwarded to output ...

...Abstract (Basic): NOVELTY - The image pick-up comprises two pixel rows of photoelectric conversion units for passive system (1) and...

...synthesizing circuit. DETAILED DESCRIPTION - The photoelectric conversion units of active system receive light rays with wavelength in infrared region...

...USE - For image sensor of single lens reflex camera...

...ADVANTAGE - Enables range finding at short or long distances, irrespective of influence of external light . DESCRIPTION OF DRAWING(S) - The figure shows block diagram of solid state image pick-up device. (1) Passive system; (2) Active system...

...Title Terms: IMAGE ;

...International Patent Class (Additional): G03B-013/36

34/3,K/11 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

011208583 **Image available**
WPI Acc No: 1997-186508/199717
XRPX Acc No: N97-154014

Optical detection method used in optical electronic device e.g. camera, image sensor , electronic notebook, PC - involves compressing current flowing in two optical sensors by predetermined ratio and using it as optical detection output

Patent Assignee: ROHM CO LTD (ROHL)

Inventor: OGAWA T

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9046772	A	19970214	JP 95194801	A	19950731	199717 B
US 5666574	A	19970909	US 96678641	A	19960710	199742

Priority Applications (No Type Date): JP 95194801 A 19950731

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 9046772 A 6 H04Q-009/00

US 5666574 A 7 G01J-001/42

Optical detection method used in optical electronic device e.g. camera, image sensor , electronic notebook, PC...

...involves compressing current flowing in two optical sensors by predetermined ratio and using it as optical detection output

...Abstract (Basic): The method involves using a pair of optical sensors (PDa, PDb) which have equal light receiving sensitivity. One optical sensor has high sensitivity which responds to a predetermined wavelength region while the other optical sensor has a sensitivity which covers a wavelength region greater than the first sensor .

...

...When the two **sensors** receive a light beam, the difference in current flowing in the **sensors** is obtained by a subtractor (1) which are compressed with the predetermined ratio by a

...Abstract (Equivalent): a pair of photo- **sensors** consisting of a first photo- **sensor** and a second photo- **sensor** , said first photo- **sensor** having higher spectroscopic sensitivity than said second photo- **sensor** within a specified range of **wavelength** , said second photo- **sensor** having spectroscopic sensitivity over a wider range of **wavelength** than said specified range, photo-sensitivity characteristics of said first and second photo- **sensors** being approximately the same against **external background light** ;

...

...a difference current equal to the difference between currents generated by said pair of photo- **sensors** ; and

...Title Terms: **IMAGE** ;

International Patent Class (Additional): G03B-007/08 ...

34/3,K/12 (Item 3 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
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010955760 , **Image available**
 WPI Acc No: 1996-452710/199645
 XRAM Acc No: C96-141885
 XRPX Acc No: N96-381832

Projection exposure equipment for transferring pattern onto semiconductor IC wafer - consisting of photoelectric sensor coupled to wafer stage to detect datum pattern

Patent Assignee: NIKON CORP (NIKR)
 Inventor: IMAI Y

Number of Countries: 002 Number of Patents: 002
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8227852	A	19960903	JP 95310724	A	19951129	199645 B
US 5661548	A	19970826	US 95561284	A	19951121	199740

Priority Applications (No Type Date): JP 94296653 A 19941130
 Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8227852	A	16	H01L-021/027	
US 5661548	A	23	H01L-021/30	

... **consisting of photoelectric sensor coupled to wafer stage to detect datum pattern**

...Abstract (Basic): A photoelectric **sensor** is coupled to the wafer stage to detect the datum pattern transferred from the photomask...

...Abstract (Equivalent): system for illuminating a mask with exposure light; a projection optical system for projecting an **image** of a pattern formed on the mask onto a photosensitive substrate under the exposure light...

...incidence type focus position detecting system having a light-transmitting system for projecting a pattern **image** for focus detection onto the photosensitive substrate within an exposure field of the projection optical...

...light-receiving system which receives reflected light from the photosensitive substrate, re-forms the pattern **image** for focus

detection, and generates a focus signal corresponding to an amount of deviation of a position where the pattern **image** is re-formed from a predetermined reference **image** -formation position, so that a position of the substrate in the optical axis direction is...

...independent illumination type focus position detecting system having a light-transmitting system for projecting an **image** of a predetermined measuring pattern onto the mask with independent **illuminating light** in the same **wavelength** region as the exposure light, and a light-receiving system which receives light from the pre-determined measuring pattern **image** through the projection optical system and an opening pattern provided on the substrate stage, and...

...corresponding to a quantity of light received; and a changing system for changing the reference **image** -formation position used to generate a focus signal in the oblique incidence type focus position...
International Patent Class (Additional): G03B-027/32 ...

34/3,K/13 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010915323 **Image available**
WPI Acc No: 1996-412274/199641
XRPX Acc No: N96-347060

Projection exposure appts. for semiconductor device mfr. - has spatial filter with annular transport part, disposed on or near Fourier transform plane to pattern on mask in projection optical system

Patent Assignee: NIKON CORP (NIKR)
Inventor: HIRUKAWA S; SHIRAISHI N
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5552856	A	19960903	US 9376429	A	19930614	199641 B
			US 94264253	A	19940622	
			US 95563907	A	19951122	

Priority Applications (No Type Date): US 9376429 A 19930614; US 94264253 A 19940622; US 95563907 A 19951122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5552856	A		13	G03B-027/42	Cont of application US 9376429 Cont of application US 94264253

...Abstract (Basic): The appts. comprises an illumination optical system for irradiating a mask with **illumination light** . A projection optical system projects an **image** of a pattern formed on the mask onto a substrate. An optical part defines a light quantity distribution of the **illumination light** on or near a Fourier transform plane to the pattern on the mask in the...

...The **illumination light** is intensified in a first region inside a substantial circle of radius r1 with a...

...USE/ADVANTAGE - For alignment **sensor** of different **wavelength** . For replication of hole pattern. Has high resolution and deep in depth of focus...

International Patent Class (Main): G03B-027/42

34/3,K/14 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010566516 **Image available**
WPI Acc No: 1996-063469/199607
Related WPI Acc No: 1996-211867
XRPX Acc No: N96-053265

Reticle alignment device for semi-conductor mfg. process - has image
pick-up circuit that performs image pick-up of standard and reticle
marks using detection result from image position sensor , and whose
result is used as basis to detect amt. of position slippage of both marks

Patent Assignee: NIKON CORP (NIKR)

Inventor: NAGAYAMA T

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7321022	A	19951208	JP 94132395	A	19940524	199607 B
US 5552892	A	19960903	US 95446346	A	19950522	199641
US 5797674	A	19980825	US 95446346	A	19950522	199841
			US 96620683	A	19960319	

Priority Applications (No Type Date): JP 94132395 A 19940524; JP 94212684 A
19940906

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7321022	A		8	H01L-021/027	
US 5552892	A		26	G01B-011/00	patent JP 7321022
US 5797674	A			F21V-013/12	Div ex application US 95446346 Div ex patent US 5552892

... has image pick-up circuit that performs image pick-up of standard
and reticle marks using detection result from image position sensor ,
and whose result is used as basis to detect amt. of position slippage of
both...

...Abstract (Equivalent): illuminating said alignment mark and a reference
mark on said substrate stage with a pulse illumination light
obtained upon branching a pulsed exposure light...

...a second alignment illumination system for illuminating said alignment
mark with a continuously emitted continuous illumination light in a
wavelength range different from that of the exposure light...

...a first objective optical system for focusing the continuous
illumination light from said alignment mark, the pulse illumination
light from said alignment mark, and the pulse illumination light
from said reference mark through a projection optical system...

...a wavelength selection optical system for dividing a light beam
focused by said first objective optical system into a first light beam
of the continuous illumination light and a second light beam of the
pulse illumination light ;

...

...a second objective optical system for forming an image of said
alignment mark from said first light beam...

...an image position detector, having photoelectric detector, for
relatively vibrating said photoelectric detector and said image of

said alignment mark which is formed by said second objective optical system, thereby detecting a position of said **image** of said alignment mark...

...a third objective optical system for forming **images** of said alignment mark and said reference mark from said second light beam; and...

...an **image** pickup device for picking up said **images** of said alignment mark and said reference mark, said **images** being formed by said third objective optical system...

...wherein a positional relationship of said mask with respect to said **image** position detector is detected on the basis of a detection result from said **image** position detector, and a positional shift between said alignment mark and said reference mark is detected on the basis of a detection result from said **image** pickup device

...Title Terms: **IMAGE** ;

International Patent Class (Additional): G03B-027/54 ...

34/3,K/15 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010249075 **Image available**
WPI Acc No: 1995-150330/199520
Related WPI Acc No: 1995-071742; 1995-071745; 1995-103220
XRAM Acc No: C95-069566
XRPX Acc No: N95-118038

Exposure method for transferring circuit pattern onto sensitised substrate - using judgement unit to determine if computed gap is within preset limit and if it is not so, reticular alignment operation is performed

Patent Assignee: NIKON CORP (NIKR)
Inventor: IMAI Y; MIYAI T; SUZUKI K; TANIGUCHI T
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7074075	A	19950317	JP 93217675	A	19930901	199520 B
US 5581324	A	19961203	US 94254780	A	19940606	199703
			US 95446511	A	19950522	

Priority Applications (No Type Date): JP 93217675 A 19930901; JP 93138488 A 19930610; JP 93166504 A 19930611; JP 93174162 A 19930714

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 7074075	A		9		
US 5581324	A		35		Cont of application US 94254780 patent JP 6349700 patent JP 6349703 patent JP 7029802

...Abstract (Basic): The exposure method uses light of predetermined **wavelength** to be irradiated onto the pattern domain of a mask. This results in the transfer...

...DVANTAGE - For use in semiconductor IC fabrication. Does not reduce through put. Performs nearly precise **image** formation. Does not degrade quality of **image** formed...

...Abstract (Equivalent): Projection exposure appts. comprises a light

source for emitting illumination light , an illumination optical system for illuminating a mask, on which a predetermined pattern is formed, with the illumination light , and a projection optical system for forming an image of the pattern on a photosensitive substrate, and images the image of the pattern on the photosensitive substrate in a predetermined imaging state, comprising: a temp. measurement sensor that measures a change in temp. of the mask; a control system that calculates a change amt. of the imaging state based on an output of the sensor ; and a correction system that corrects the change in imaging state...

International Patent Class (Main): G03B-027/42 ...
 International Patent Class (Additional): G03B-027/52 ...

34/3,K/16 (Item 7 from file: 350)
 DIALOG(R)File 350:Derwent WPIX
 (c) 2003 Thomson Derwent. All rts. reserv.

004358522
 WPI Acc No: 1985-185400/198531
 XRPX Acc No: N85-139219

Colour picture analysing apparatus - has blue light applied directly with red and green-purpose filters for emissions in other two wavebands
 Patent Assignee: SHARP KK (SHAF)
 Inventor: NAGANO F
 Number of Countries: 005 Number of Patents: 005
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 150142	A	19850731	EP 85400036	A	19850109	198531 B
JP 60146567	A	19850802	JP 843788	A	19840110	198537
US 4670779	A	19870602	US 85688936	A	19850104	198724
EP 150142	B	19910313				199111
DE 3582075	G	19910418				199117

Priority Applications (No Type Date): JP 843788 A 19840110
 Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 150142	A	E 16		
Designated States (Regional): DE FR GB				
EP 150142	B			
Designated States (Regional): DE FR GB				

Colour picture analysing apparatus...

...Abstract (Basic): A document (1), bearing a colour picture , is subjected to light emitted from three sources (2A,2B,2C). The first source is a blue fluorescent lamp for blue spectral radiation with a short afterglow. The second and third fluorescent lamps (2B,2C) in combination with filters (3 and 4), produce red and green spectral radiation...

...filter (6) and a reading lens (7) to the charge coupled device (CCD) forming an image sensor (8) feeding into the processing circuit (9). The procedure is repeated with lamps (2B and 2C) in turn, with the processing (CCT) circuit providing outputs (SR,SG,SB...

...Abstract (Equivalent): A colour- picture analyzing apparatus comprising - first lamp means (2A) for propagating blue spectral radiation toward said color- picture (1); - a second lamp means (2B) for directing spectral radiation inclusive red radiation toward said color- picture ; - third lamp means (2C) for directing spectral radiation

inclusive of green radiation toward said color- **picture** ; and, characterized in that it further comprises: - red filter means (3) for solely passing the red radiation, said red filter means being positioned between the second **lamp** means (2B) and the color **picture** (1), said red filter means comprising a first glass filter (3A) for cutting the short **wavelength** radiation and a first interference filter (3B) for cutting the long **wavelength** radiation; and, - green filter means (4) for solely passing the green radiation, said green filter means being positioned between the third **lamp** means (2C) and the color **picture** (1), said green filter means comprising a second glass filter (4A) for cutting the short **wavelength** radiation and a second interference filter (4B) for cutting the long **wavelength** radiation. (11pp)

...Abstract (Equivalent): A colour- **picture** reading appts. comprises blue, red-purpose, and green-purpose fluorescent **lamps** , a red filter in front of the red-purpose **lamp** for solely passing the red radiation, and similarly a green filter in front of the green-purpose **lamp** . A circuit subsequently switches, the three **lamps** on and off...

...the red filter and the green filter comprises a first filter for filtering the short **wavelength** radiation and a second filter for cutting the long **wavelength** radiation. The first filter is a glass filter and the second filter is an interference...

...filter. All the **lamps** have a short afterglow time...

...USE/ADVANTAGE - Analysing colour **picture** rapidly. Facsimile, copier, colour scanner. (9pp)1

...Title Terms: **PICTURE** ;

...International Patent Class (Additional): G03B-027/73

34/3,K/17 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003660321

WPI Acc No: 1983-20304K/198309

XRAM Acc No: C83-019788

XRPX Acc No: N83-037226

Projector for forming image on cadmium sulphide photosensor - includes glass lens with spectral transmission factor matching sensitivity of photosensor, esp. in copying appts

Patent Assignee: CANON KK (CANO); OHARO KAGAKU GLASS SEIZO (OHAR-N)

Inventor: SETO S; TORIUMI A

Number of Countries: 004 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3229442	A	19830224	DE 3229442	A	19820806	198309 B
JP 58025607	A	19830215				198312
GB 2108281	A	19830511	GB 8222937	A	19820809	198319
US 4505569	A	19850319	US 84606843	A	19840501	198514
GB 2108281	B	19860219				198608
DE 3229442	C	19891102				198944
JP 91014792	B	19910227	JP 81124210	A	19810808	199112
JP 3075236	A	19910329				199119
JP 92000934	B	19920109				199206

Priority Applications (No Type Date): JP 81124210 A 19810808; JP 90199485 A 19900000

File 348:EUROPEAN PATENTS 1978-2003/May W04

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File 349:PCT FULLTEXT 1979-2002/UB=20030529,UT=20030522

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? ds

Set	Items	Description
S1	2214	CHROMINANCE(3N)SIGNAL?
S2	388	S1(3N)CONVERT?
S3	12261	(COLOUR OR COLOR OR RGB OR RED()GREEN()BLUE)(3N)(MANAG? OR CONTROL? OR CORRECT?)
S4	91100	DISPLAY(3N)(DEVICE? OR UNIT? OR SCREEN? OR APPARATUS)
S5	40005	LCD OR LIQUID()CRYSTAL()DISPLAY??
S6	468065	IMAGE? OR GRAPHIC?? OR PICTURE??
S7	4403	ILLUMINAT?()LIGHT
S8	84971	EXTERNAL(3N)LIGHT? OR LAMP?? OR SUNLIGHT OR AMBIENT()LIGHT?
S9	101866	LIGHT()CHARACTERISTIC? OR WAVELENGTH?
S10	513	(STRIKING OR SHINING OR STRIKES OR SHINE??)(3N)(DISPLAY? OR SCREEN??)
S11	5	(MAINTAIN? OR KEEP?)(3N)TINT?(7N)S6
S12	2058	SENSOR?(7N)S9
S13	970	(XYZ OR TRISTIMULUS)(3N)VALUE??
S14	38	CHROMATIC()ADAPTATION??
S15	8150	IC=G03B?
S16	0	S11 AND S15
S17	157	(S2 OR S14)(S)S6
S18	23	S17(S)(S4 OR S5)
S19	0	S18(S)(S7 OR S8)
S20	0	S18(S)S10
S21	0	S18(S)S3
S22	0	S18(S)S9
S23	1	S18(S)S13
S24	1	S18 AND S15
S25	1	S24 NOT S23
S26	21	S18 NOT (S11 OR S23 OR S24)
S27	21	S26 NOT AD=20000515:20030530

11/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01584672

Low silver radiographic film with improved visual appearance
Röntgenmaterial mit niedrigem Silbergehalt, das ein verbessertes
Erscheinungsbild aufweist
Materiau radiographique a faible teneur en argent ayant une meilleure
apparence visuelle

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York
14650, (US), (Applicant designated States: all)

INVENTOR:

Dickerson, Robert Edward, c/o Eastman Kodak Comp., Patent Legal Staff,
343 State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,
Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1315039 A2 030528 (Basic)

APPLICATION (CC, No, Date): EP 2002079747 021114;

PRIORITY (CC, No, Date): US 994216 011126

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03C-005/17

ABSTRACT WORD COUNT: 59

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200322	519
SPEC A	(English)	200322	6363
Total word count - document A			6882
Total word count - document B			0
Total word count - documents A + B			6882

...SPECIFICATION there is a need to improve visual appearance by reducing
or eliminating the undesirable green tint (change in a* value) while
maintaining or improving image tone (b* value) in radiographic films
having minimal silver.

The present invention provides a solution...

11/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01383351

Laser beam scanner and photographic printer using the same
Laserstrahl-Abtastvorrichtung und deren Verwendung in fotografischem
Drucker

Appareil a balayage de faisceau laser et son utilisation dans une
imprimante photographique

PATENT ASSIGNEE:

Nortisu Koki Co., Ltd., (3304240), 579-1 Umehara, Wakayama-shi, Wakayama,
(JP), (Applicant designated States: all)

INVENTOR:

Manzo, Kozo, Noritsu Koki Co., Ltd., 579-1 Umehara, Wakayama-shi,
Wakayama, (JP)

LEGAL REPRESENTATIVE:

Hill, Christopher Michael et al (86371), Page White & Farrer 54 Doughty
Street, London WC1N 2LS, (GB)
PATENT (CC, No, Kind, Date): EP 1175083 A2 020123 (Basic)
APPLICATION (CC, No, Date): EP 2001302826 010327;
PRIORITY (CC, No, Date): JP 200088732 000328
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-001/40
ABSTRACT WORD COUNT: 146
NOTE:

Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200204	1299
SPEC A	(English)	200204	4428
Total word count - document A			5727
Total word count - document B			0
Total word count - documents A + B			5727

...SPECIFICATION 1 %. As a result, the quality of the printed photograph
can be increased and the tint of the printed photographs using the same
image data can be maintained with no relation to the printed time.
In the above-mentioned compensation process of the...

11/3,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00962615

Polyester film for decorative plates or decorative sheets
Polyesterfolie fur Dekorplatte oder -schicht
Film de polyester pour plaque decorative ou feuille decorative
PATENT ASSIGNEE:

Mitsubishi Polyester Film Corporation, (382935), 2-3, Shiba 4-chome,
Minato-ku, Tokyo, (JP), (Applicant designated States: all)
INVENTOR:

Yoshihara, Kenji, c/o Diafoil Hoechst Comp., Ltd., Central Res. Lab.,
347, Inokuchi, Santo-cho, Sakata-gun, Shiga-ken, (JP)
LEGAL REPRESENTATIVE:

TER MEER STEINMEISTER & PARTNER GbR (100061), Mauerkircherstrasse 45,
81679 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 873864 A2 981028 (Basic)
EP 873864 A3 990818
APPLICATION (CC, No, Date): EP 98107166 980420;
PRIORITY (CC, No, Date): JP 97120166 970423; JP 97168481 970625
DESIGNATED STATES: DE; FR; GB; IT; LU; NL
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: B32B-027/36; B41M-001/30; B44C-005/04;
C08J-005/18
ABSTRACT WORD COUNT: 47

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9844	302
SPEC A	(English)	9844	7590

Total word count - document A 7892
Total word count - document B 0
Total word count - documents A + B 7892

...SPECIFICATION it is prevented to transfer of the film color to the roll surface in the **picture** printer, making it possible to **keep** free from influence of the **tint** of the base and to present a surface picture with intact design effect on the...

11/3,K/4 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00824242 **Image available**

SYSTEM FOR AUTOMATED SCREENING OF SECURITY CAMERAS
SYSTEME DE SELECTION AUTOMATIQUE DE CAMERAS DE SECURITE

Patent Applicant/Assignee:

ROSS & BARUZZINI, 6 South Old Orchard, St. Louis, MO 63119, US, US
(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

GAROUTTE Maurice, 6 South Old Orchard, St. Louis, MO 63119, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GILSTER Peter S (agent), Greensfelder, Hemker & Gale, P.C., 2000
Equitable Building, 10 South Broadway, St. Louis, MO 63102-1774, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200157787 A1 20010809 (WO 0157787)

Application: WO 2001US3639 20010205 (PCT/WO US0103639)

Priority Application: US 2000180323 20000204; US 2001773475 20010202

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ

LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG

SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 14750

Fulltext Availability:

Detailed Description

Detailed Description

... a factor in achieving real-time calculation. Generally, Color Direction is a measure of the **tint** of the color.

An additional **image** analysis function, namely
' **Maintain** Background' segregates background from moving targets by averaging portions of frames that contain no moving...

11/3,K/5 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00481390

IMPROVED SECURITY PRINTING METHOD FOR PRINTING SECURE DOCUMENTS
PROCEDE D'IMPRESSION A SECURITE RENFORCEE PERMETTANT D'IMPRIMER DES
DOCUMENTS PROTEGES

Patent Applicant/Assignee:

THE HOUSE OF QUESTA LTD,
ASHWELL Richard,
SINGLETON Paul,

Inventor(s):

ASHWELL Richard,
SINGLETON Paul,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9912742 A1 19990318

Application: WO 98GB2324 19980803 (PCT/WO GB9802324)

Priority Application: GB 9718958 19970908

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US

UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE

CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 5923

Fulltext Availability:

Detailed Description

Detailed Description

... coloured images, the percentage of each different colour
within the divided portions of the overall **image** being calculated by
computer, which then subsequently adjusts the **tint** weights of all
these particular colours in the miniaturised **image** thus **maintaining**
the overall colour balance in the resulting transposed image.

Monochromatic or multicolour images which have...

?

23/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01136437

Adaptive colour matching method and apparatus
Verfahren und Vorrichtung zur adaptiven Farbbereinstimmung
Methode et appareil pour l'egalisation adaptative de la couleur

PATENT ASSIGNEE:

NEC CORPORATION, (236690), 7-1, Shiba 5-chome, Minato-ku, Tokyo, (JP),
(Applicant designated States: all)

INVENTOR:

Tsukada, Masato, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo, (JP)

LEGAL REPRESENTATIVE:

Glawe, Delfs, Moll & Partner (100692), Patentanwalte Postfach 26 01 62,
80058 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 993180 A1 000412 (Basic)

APPLICATION (CC, No, Date): EP 99119864 991007;

PRIORITY (CC, No, Date): JP 98287404 981009

DESIGNATED STATES: DE; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-001/60

ABSTRACT WORD COUNT: 233

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200015	1686
SPEC A	(English)	200015	7553
Total word count - document A			9239
Total word count - document B			0
Total word count - documents A + B			9239

...SPECIFICATION first hypothetical white surface reflectance 11, in a hypothetical surface reflectance calculating means 101', from tristimulus values XYZ 10 of the absolute white, reproduced on the color image display device 201 on the original side and hypothetical spectral power distribution characteristics 3 of the originating...

...matching device 200. Also, a second hypothetical white surface reflectance 12 is calculated from the tristimulus values XYZ 10 of the absolute white, reproduced on the color image display device 201 on the original side, and hypothetical spectral power distribution characteristics 4 of the target...

?

25/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00947061

Electronic image recording/reproducing apparatus and method

Elektronisches Bildaufnahme/Bildwiedergabegerat und Verfahren

Appareil d'enregistrement/ de reproduction d'image electronique et procede

PATENT ASSIGNEE:

SANYO ELECTRIC Co., Ltd., (2206450), 5-5, Keihanondori 2-chome,
Moriguchi-shi, Osaka, (JP), (applicant designated states:
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Oeda, Hideshi, 25-18-407, Kamiyamate-cho, Suita-shi, Osaka, (JP)
Shioji, Masahiro, 25-6, Kotobuki-cho, Neyagawa-shi, Osaka, (JP)
Toyoda, Hideki, 3-13-32-1016, Tsurumi, Tsurumi-ku, Osaka, (JP)
Higashide, Masaru, 4-33-16, Dainichi-cho, Moriguchi-shi, Osaka, (JP)

LEGAL REPRESENTATIVE:

Glawe, Delfs, Moll & Partner (100692), Patentanwalte Postfach 26 01 62,
80058 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 859269 A2 980819 (Basic)

APPLICATION (CC, No, Date): EP 98102639 980216;

PRIORITY (CC, No, Date): JP 9731921 970217

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G03B-019/02

ABSTRACT WORD COUNT: 209

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9834	789
SPEC A	(English)	9834	4104
Total word count - document A			4893
Total word count - document B			0
Total word count - documents A + B			4893

INTERNATIONAL PATENT CLASS: G03B-019/02

...SPECIFICATION memory 38.

The output bus 58 is also a 16-bit bus so that the **image** data read out of the VRAM 56 is supplied to a second signal processing circuit...

...color separating circuit and a matrix circuit, both not shown, so as to convert the **image** data read out of the VRAM 56 into luminance data and chrominance data. The luminance...

...60 are converted into an analog luminance signal and chrominance signal by a D/A **converter** 62. The luminance **signal** and the **chrominance signal** from the D/A converter 62 are supplied to the **LCD** 64 provide on the digital still camera 10 or to a TV monitor (not shown...
?

27/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

01171040

**METHOD FOR DISPLAY WITH COLOUR FIDELITY OF IMAGES TRANSMITTED IN A NETWORK
VERFAHREN ZUR FARBTREUEN ANZEIGE VON IN EINEM NETZWERK UBERTRAGENEN BILDERN
PROCEDE POUR PRESENTER EN HAUTE RESOLUTION DES IMAGES COULEUR TRANSMISES
DANS UN RESEAU**

PATENT ASSIGNEE:

Lightsurf Technologies Inc., (3934801), 4th Floor, 110 Cooper Street,
Santa Cruz, CA 95060-4527, (US), (Proprietor designated states: all)

INVENTOR:

BERNARD, Peter, 186 Lippard Avenue, San Francisco, CA 94131, (US)
ENGELDRUM, Peter, George, 4 Vinson Circle, Winchester, MA 01890, (US)
DEUTCH, James, Ellis, 2697 Middleborough Circle, San Jose, CA 95132, (US)
VAN PROOIJEN, Cornelis, Pieter, 212 California Avenue, Mill Valley, CA
94941, (US)

MATTOX, Joel, D., 20393 Chalet Lane, Saratoga, CA 95070, (US)

HILLIARD, William, J., 1865 Chestnut Street, San Francisco, CA 94123,
(US)

STROTHER, Thomas, Lawrence, 1906 20th Street, San Francisco, CA 94107,
(US)

HUBER, Jean-Pierre, 26, impasse du Cret Marderet, F-74160 Neydens, (FR)

LEGAL REPRESENTATIVE:

Wombwell, Francis (46021), Potts, Kerr & Co. 15, Hamilton Square,
Birkenhead Merseyside CH41 6BR, (GB)

PATENT (CC, No, Kind, Date): EP 1133722 A1 010919 (Basic)
EP 1133722 B1 030312
WO 2000029935 000525

APPLICATION (CC, No, Date): EP 99960327 991115; WO 99US26943 991115

PRIORITY (CC, No, Date): US 108228 P 981113; US 108229 P 981113; US 108231
P 981113; US 108442 P 981113; US 108444 P 981113; US 422215 991019

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-003/14

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200311	1213
CLAIMS B	(German)	200311	1164
CLAIMS B	(French)	200311	1443
SPEC B	(English)	200311	18594
Total word count - document A			0
Total word count - document B			22414
Total word count - documents A + B			22414

...SPECIFICATION which the image capture device will be used. The user must either compensate in the **display device** for the compensation algorithms in the **image capture device**, or the user must turn off the **image compensation mechanisms** in the **image capture device**, for example.

Another consideration in step 614 is the selection of colors or...

27/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

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01084541

"Television system judgement apparatus"

Fernsehsystem-Beurteilungsvorrichtung

Appareil de decision de systeme de television

PATENT ASSIGNEE:

Matsushita Electric Industrial Co., Ltd., (1855508), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)
Koninklijke Philips Electronics N.V., (200769), Groenewoudseweg 1, 5621
BA Eindhoven, (NL), (Applicant designated States: all)

INVENTOR:

Uchiyama, Shin-ichi, c/o Inter. Octrooibureau B.V., Prof. Holstlaan 6,
5656 AA Eindhoven, (NL)
Moll, Holger, c/o Inter. Octrooibureau B.V., Prof. Holstlaan 6, 5656 AA
Eindhoven, (NL)

LEGAL REPRESENTATIVE:

Faessen, Louis Marie Hubertus (19891), INTERNATIONAAL OCTROOIBUREAU B.V.,
Prof. Holstlaan 6, 5656 AA Eindhoven, (NL)

PATENT (CC, No, Kind, Date): EP 954184 A2 991103 (Basic)
EP 954184 A3 001227

APPLICATION (CC, No, Date): EP 98201365 980518;

PRIORITY (CC, No, Date): JP 98116555 980427

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-009/79

ABSTRACT WORD COUNT: 171

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9944	562
SPEC A	(English)	9944	5744
Total word count - document A			6306
Total word count - document B			0
Total word count - documents A + B			6306

...SPECIFICATION MHz, respectively. In this stage, since the switch 6 is turned off, the down frequency- converted chrominance signal is not outputted to the recording head 42, so that the alternate outputting of the...

...signals of two levels occurring repetitively every two seconds does not influence the down frequency- converted chrominance signal . On the other hand, since the gain frequency characteristics of the LPF 8 are switched...

...such a problem that, when the recorded signal is reproduced, the user may see a picture displayed on a display as if screens were switched over every two seconds, and this offends the user's sensation (this problem...

27/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00950499

Signal processing method for digital still cameras

Signalverarbeitungsverfahren fur digitale Standbildkamera

Procede de traitement de signaux pour camera a image fixe numerique

PATENT ASSIGNEE:

SANYO ELECTRIC Co., Ltd., (238922), 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570, (JP), (Applicant designated States: all)

INVENTOR:

Hayashi, Hideto, 2-5-35-422, Horai, Daito-shi, Osaka, (JP)

LEGAL REPRESENTATIVE:

Glawe, Delfs, Moll & Partner (100692), Patentanwalte Postfach 26 01 62,
80058 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 862317 A2 980902 (Basic)
EP 862317 A3 010328

APPLICATION (CC, No, Date): EP 98103499 980227;

PRIORITY (CC, No, Date): JP 9743741 970227

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-001/21

ABSTRACT WORD COUNT: 143

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	238
SPEC A	(English)	9836	2938
Total word count - document A			3176
Total word count - document B			0
Total word count - documents A + B			3176

...SPECIFICATION memory 38.

The output bus 58 is also a 16-bit bus so that the **image** data read out of the VRAM 56 is supplied to a second signal processing circuit...

...color separating circuit and a matrix circuit, both not shown, so as to convert the **image** data read out of the VRAM 56 into luminance data and chrominance data. The luminance...

...60 are converted into an analog luminance signal and chrominance signal by a D/A **converter** 62. The luminance **signal** and the **chrominance signal** from the D/A converter 62 are supplied to the **LCD** 64 provide on the digital still camera 10 or to a TV monitor (not shown...)

27/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00950497

Electronic image recording apparatus and data memorizing method therefor
Elektronisches Bildaufzeichnungsgerat und Datenspeicherungsverfahren dafur
Dispositif electronique d'enregistrement d'image et procede de memorisation
de donnees pour cela

PATENT ASSIGNEE:

SANYO ELECTRIC Co., Ltd., (238922), 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570, (JP), (Applicant designated States: all)

INVENTOR:

Haruki, Toshinobu, 3-3-6, Kasumizaka, Kyotanabe-shi, Kyoto, (JP)

LEGAL REPRESENTATIVE:

Glawe, Delfs, Moll & Partner (100692), Patentanwalte Postfach 26 01 62,

80058 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 862316 A2 980902 (Basic)
EP 862316 A3 001220
APPLICATION (CC, No, Date): EP 98103497 980227;
PRIORITY (CC, No, Date): JP 9743428 970227
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: H04N-001/21
ABSTRACT WORD COUNT: 106
NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	710
SPEC A	(English)	9836	4895
Total word count - document A			5605
Total word count - document B			0
Total word count - documents A + B			5605

...SPECIFICATION memory 38.

The output bus 58 is also a 16-bit bus so that the **image** data read out of the VRAM 56 is supplied to a second signal processing circuit...

...color separating circuit and a matrix circuit, both not shown, so as to convert the **image** data read out of the VRAM 56 into luminance data and chrominance data. The luminance...

...60 are converted into an analog luminance signal and chrominance signal by a D/A **converter** 62. The luminance **signal** and the **chrominance signal** from the D/A converter 62 are supplied to the **LCD** 64 provide on the digital still camera 10 or to a TV monitor (not shown...)

27/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00950462

Digital camera

Digitale Kamera

Camera numerique

PATENT ASSIGNEE:

SANYO ELECTRIC Co., Ltd., (238922), 5-5, Keihanhondori 2-chome,
Moriguchi-shi, Osaka 570, (JP), (applicant designated states:
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Kobayashi, Akio, 1-36-7, Yamatehigashi, Kyotanabe-shi, Kyoto, (JP)

LEGAL REPRESENTATIVE:

Glawe, Delfs, Moll & Partner (100692), Patentanwalte Postfach 26 01 62,
80058 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 862322 A2 980902 (Basic)
EP 862322 A3 990421

APPLICATION (CC, No, Date): EP 98103384 980226;
PRIORITY (CC, No, Date): JP 9745473 970228; JP 97324274 971126
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: H04N-005/225; H04N-001/21; H04N-005/907;
ABSTRACT WORD COUNT: 85

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9836	1335
SPEC A	(English)	9836	8008
Total word count - document A			9343
Total word count - document B			0
Total word count - documents A + B			9343

...SPECIFICATION CPU 28.

The VRAM 24 has a 16-bit output bus 22d through which the **image** data read out of the VRAM 24 is supplied to a second signal processing circuit ...

...later, includes a color separating circuit and a matrix circuit so as to convert the **image** data read out of the VRAM 24 into luminance data and chrominance data. The luminance...

...respectively converted into an analog luminance signal and a chrominance signal by a D/A **converter** 62. The luminance **signal** and the **chrominance signal** from the D/A converter 62 are supplied to the **LCD** 64 provided on this digital camera 10, or to a TV monitor (not shown) through...

27/3,K/6 (Item 6 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00664660

Improvements in or relating to image display systems

Bildanzeigesysteme

Systemes d'affichage d'image

PATENT ASSIGNEE:

TEXAS INSTRUMENTS INCORPORATED, (279070), 13500 North Central Expressway,
 Dallas Texas 75265, (US), (applicant designated states: DE;FR;GB;IT;NL)

INVENTOR:

Doherty,Donald B., 3908 West Runge Court, Irving,TX 75038, (US)
 Marshall,Stephen W., 1408 North Cheyenne Drive, Richardson,TX 75080, (US)
 Gove,Robert J., 1405 Scarborough Lane, Plano,TX 75075, (US)
 Meyer,Richard C., 405 Tucson Court, Plano,TX 75023, (US)
 Sampsell,Jeffrey B., 2005 Pueblo Court, Plano,TX 75074, (US)

LEGAL REPRESENTATIVE:

Schwepfinger, Karl-Heinz, Dipl.-Ing. et al (10982), Prinz & Partner GbR
 Manzingerweg 7, 81241 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 638892 A1 950215 (Basic)
 EP 638892 B1 981014

APPLICATION (CC, No, Date): EP 94111229 940719;

PRIORITY (CC, No, Date): US 93537 930719

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: H04N-009/31; G09G-003/34;

ABSTRACT WORD COUNT: 125

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9842	494
CLAIMS B	(German)	9842	463
CLAIMS B	(French)	9842	604
SPEC B	(English)	9842	4638
Total word count - document A			0
Total word count - document B			6199
Total word count - documents A + B			6199

...SPECIFICATION be either interlaced signals or noninterlaced signals, and may represent either RGB data or luminance/ chrominance data.

Signal processor unit 12 converts the analog video signal into a digital video signal. It may also add features such as picture -in- picture and on- screen display . In general, signal processor unit 12 conditions the data for display and provides central timing...

27/3,K/7 (Item 7 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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00644684

Method and associated apparatus which achieve imaging device/media compatibility and color appearance matching
Verfahren und dessen Vorrichtung um Bildaufnahmeverrichtung/Medienkompatibilität und Farberscheinungsbereinstimmung zu erhalten
Procede et appareil pour arriver a une compatibilite dispositif/media d'imagerie et une concordance d'apparence de couleurs

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York 14650-2201, (US), (Proprietor designated states: all)

INVENTOR:

Giorgianni, Edward J., c/o EASTMAN KODAK COMPANY, Patent Legal Staff, 343 State Street, Rochester, New York 14650-2201, (US)

Madden, Thomas Ethan, c/o EASTMAN KODAK COMPANY, Patent Legal Staff, 343 State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Reichert, Werner Franz, Dr. et al (79401), Kodak Aktiengesellschaft, Patent Department, 70323 Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 624028 A1 941109 (Basic)
EP 624028 B1 000712

APPLICATION (CC, No, Date): EP 94107166 940506;

PRIORITY (CC, No, Date): US 59060 930507

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-001/46

ABSTRACT WORD COUNT: 155

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200028	416
CLAIMS B	(German)	200028	366
CLAIMS B	(French)	200028	483
SPEC B	(English)	200028	12763
Total word count - document A			0
Total word count - document B			14028
Total word count - documents A + B			14028

27/3,K/8 (Item 8 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2003 European Patent Office. All rts. reserv.

00631551

Color display unit with plasma display panel
Farbanzeigevoorrichtung mit Plasmaanzeigetafel

Dispositif d'affichage couleur avec panneau d'affichage a plasma

PATENT ASSIGNEE:

FUJITSU GENERAL LIMITED, (1706840), 1116, Suenaga, Takatsu-ku,
Kawasaki-shi, Kanagawa-ken, (JP), (applicant designated states:
DE;FR;GB;IT)

INVENTOR:

Sugawara, Motoo, c/o Fujitsu General Ltd., 1116, Suenaga, Takatsu-ku,
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LEGAL REPRESENTATIVE:

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London WC1A 2RA, (GB)

PATENT (CC, No, Kind, Date): EP 614321 A2 940907 (Basic)
EP 614321 A3 961016
EP 614321 B1 990721

APPLICATION (CC, No, Date): EP 94301452 940301;

PRIORITY (CC, No, Date): JP 6609493 930302

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04N-009/69;

ABSTRACT WORD COUNT: 214

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9929	456
CLAIMS B	(German)	9929	431
CLAIMS B	(French)	9929	553
SPEC B	(English)	9929	2735
Total word count - document A			0
Total word count - document B			4175
Total word count - documents A + B			4175

...SPECIFICATION characteristic curve are made smooth.

To this end, as shown in Fig. 1, the color **display unit** according to the present invention is provided with a PDP 1 for displaying, for example, a **picture** of a composite video signal composed of R, G and B signals and a synchronizing **signal**, a **chrominance** demodulator 2 for **converting** the video signal into R, G and B signals and, at the same time, for...making the gamma correction data have a biquadratic curve.

Next, the operation of the color **display unit** having the above-mentioned configuration will be described with reference to Fig. 3. First, assume...

...into the chrominance demodulator 2. The R, G and B signals of the input video **signal** demodulated by the **chrominance** demodulator 2 are **converted** into digital signals in the A/D converter 3 respectively, and the data stored in...

27/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00411094

SYNCHRONIZATION SYSTEM FOR AN EXTENDED DEFINITION WIDESCREEN TELEVISION SIGNAL.

SYNCHRONISIERSYSTEM FUR EIN GROSSBILDFERNSEHSIGNAL MIT HOHER AUFLÖSUNG.

APPAREIL DE SYNCHRONISATION POUR UN SIGNAL DE TELEVISION GRAND ECRAN A DEFINITION ELARGIE.

PATENT ASSIGNEE:

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Princeton New Jersey 08540, (US), (applicant designated states:
AT;DE;FR;GB;IT)

INVENTOR:

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DIETERICH, Charles, Benjamin, 7 Euclid Avenue, Kingston, NJ 08528, (US)
CHAO, Tzy-Hong, 58 Wen-Chang-1 Street, Taichung Taiwan, (CN)

LEGAL REPRESENTATIVE:

Pratt, Richard Wilson et al (46454), London Patent Operation G.E.
Technical Services Co. Inc. Essex House 12/13 Essex Street, London WC2R
3AA, (GB)

PATENT (CC, No, Kind, Date): EP 433366 A1 910626 (Basic)
EP 433366 B1 951108
WO 9003085 900322

APPLICATION (CC, No, Date): EP 89910388 890825; WO 89US3597 890825

PRIORITY (CC, No, Date): US 241277 880907

DESIGNATED STATES (Pub A): AT; DE; FR; GB; IT; NL; SE; (Pub B): AT; DE; FR;
GB; IT

INTERNATIONAL PATENT CLASS: H04N-011/00;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	1786
CLAIMS B	(German)	EPAB95	1488
CLAIMS B	(French)	EPAB95	2194
SPEC B	(English)	EPAB95	20746
Total word count - document A			0
Total word count - document B			26214
Total word count - documents A + B			26214

...SPECIFICATION which is converted to a progressively scanned format using temporal interpolation assisted by the helper **signal**. The **chrominance signal** is **converted** to progressive scan format using unassisted temporal interpolation. Finally, the progressive scan luminance and chrominance signals are converted to analog form and matrixed to produce R, G, and B color **image** signals for display by a widescreen progressively scanned **display device**.

Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to signal...

27/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00406104

APPARATUS FOR PRE-CONDITIONING AUXILIARY TELEVISION SIGNAL INFORMATION.
VORRICHTUNG ZUR VORBEREITUNG EINER ZUSATZLICHEN FERNSEHSIGNALINFORMATION.
APPAREIL DE PRE-CONDITIONNEMENT D'INFORMATIONS AUXILIAIRES CONCERNANT DES
SIGNAUX DE TELEVISION.

PATENT ASSIGNEE:

GENERAL ELECTRIC COMPANY, (203902), CN 5312, Princeton, New Jersey 08540,
(US), (applicant designated states: FR;IT)

INVENTOR:

ISNARDI, Michael, Anthony, 3604 Fox Run Drive, Plainsboro, NJ 08536, (US)
HURST, Robert, Norman, Jr., 68 Hart Avenue, Hopewell, NJ 08525, (US)

LEGAL REPRESENTATIVE:

Pratt, Richard Wilson et al (46454), London Patent Operation G.E.
Technical Services Co. Inc. Essex House 12/13 Essex Street, London WC2R

3AA, (GB)
PATENT (CC, No, Kind, Date): EP 438389 A1 910731 (Basic)
WO 8902686 890323
APPLICATION (CC, No, Date): EP 88908577 880909; WO 88US3012
PRIORITY (CC, No, Date): GB 8721565 870914; US 139338 871229
DESIGNATED STATES: FR; IT
INTERNATIONAL PATENT CLASS: H04N-011/00

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	396
CLAIMS B	(German)	EPBBF1	383
CLAIMS B	(French)	EPBBF1	476
SPEC B	(English)	EPBBF1	13972
Total word count - document A			0
Total word count - document B			15227
Total word count - documents A + B			15227

...SPECIFICATION signal, which is converted to the progressive scan format using temporal interpolation and the helper **signal**. The **chrominance signal** is **converted** to progressive scan format using unassisted temporal interpolation. Finally, the luminance and chrominance progressive scan signals are converted to analog form and matrixed to produce RGB color **image** signals for display by a widescreen progressive scan **display device**.

Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to signal...

27/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00333298

EXTENDED DEFINITION WIDESCREEN TELEVISION SIGNAL PROCESSING SYSTEM.
SYSTEM ZUR UBERTRAGUNG EINES GROSSBILDFERNSEHSIGNALS HOHERER AUFLÖSUNG.
SYSTEME DE TRAITEMENT DE SIGNAUX DE TELEVISION GRAND ECRAN DE DEFINITION
ACCURUE.

PATENT ASSIGNEE:

GENERAL ELECTRIC COMPANY, (203902), CN 5312, Princeton, New Jersey 08540,
(US), (applicant designated states: AT;FR;IT)

INVENTOR:

ISNARDI, Michael, Anthony, 16-01 Ravens Crest Drive, Plainsboro, New
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LEGAL REPRESENTATIVE:

Pratt, Richard Wilson et al (46454), London Patent Operation G.E.
Technical Services Co. Inc. Essex House 12/13 Essex Street, London WC2R
3AA, (GB)

PATENT (CC, No, Kind, Date): EP 394289 A1 901031 (Basic)
EP 394289 B1 940803
WO 8902687 890323
APPLICATION (CC, No, Date): EP 88908578 880909; WO 88US3013 880909
PRIORITY (CC, No, Date): GB 8721565 870914; US 139340 871229
DESIGNATED STATES (Pub A): AT; DE; FR; GB; IT; SE; (Pub B): AT; FR; IT
INTERNATIONAL PATENT CLASS: H04N-011/00;

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1121
CLAIMS B	(German)	EPBBF1	1135
CLAIMS B	(French)	EPBBF1	1312
SPEC B	(English)	EPBBF1	13580
Total word count - document A			0
Total word count - document B			17148
Total word count - documents A + B			17148

...SPECIFICATION signal, which is converted to the progressive scan format using temporal interpolation and the helper **signal**. The **chrominance signal** is **converted** to progressive scan format using unassisted temporal interpolation. Finally, the luminance and chrominance progressive scan signals are converted to analog form and matrixed to produce RGB color **image** signals for display by a widescreen progressive scan **display device**.

Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to signal...

27/3,K/12 (Item 12 from file: 348)
 DIALOG(R)File 348:EUROPEAN PATENTS
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00333297

SYSTEM FOR GENERATING A TELEVISION SIGNAL ENCODED WITH AUXILIARY VERTICAL-TEMPORAL INFORMATION.

SYSTEM ZUM ERZEUGEN EINES FERNSEHSIGNALS MIT ZUSATZLICHER VERTIKAL-TEMPORALER INFORMATION.

SYSTEME POUR PRODUIRE DES SIGNAUX DE TELEVISION CODES AVEC DES INFORMATIONS VERTICALES-TEMPORAIRES AUXILIAIRES.

PATENT ASSIGNEE:

GENERAL ELECTRIC COMPANY, (203902), CN 5312, Princeton, New Jersey 08540, (US), (applicant designated states: AT;FR;IT;SE)

INVENTOR:

ISNARDI, Michael, Anthony, 3604 Fox Run Drive, Plainsboro, NJ 08540, (US)

LEGAL REPRESENTATIVE:

Pratt, Richard Wilson et al (46454), London Patent Operation G.E.

Technical Services Co. Inc. Essex House 12/13 Essex Street, London WC2R 3AA, (GB)

PATENT (CC, No, Kind, Date): EP 377661 A1 900718 (Basic)
 EP 377661 B1 931229
 WO 8902685 890323

APPLICATION (CC, No, Date): EP 88908576 880909; WO 88US3011 880909

PRIORITY (CC, No, Date): GB 8721565 870914; US 139337 871229

DESIGNATED STATES (Pub A): AT; DE; FR; GB; IT; SE; (Pub B): AT; FR; IT; SE

INTERNATIONAL PATENT CLASS: H04N-011/00; H04N-007/00;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1062
CLAIMS B	(German)	EPBBF1	1015
CLAIMS B	(French)	EPBBF1	1296
SPEC B	(English)	EPBBF1	13752
Total word count - document A			0
Total word count - document B			17125
Total word count - documents A + B			17125

...SPECIFICATION signal, which is converted to the progressive scan format using temporal interpolation and the helper **signal** . The **chrominance signal** is converted to progressive scan format using unassisted temporal interpolation. Finally, the luminance and chrominance progressive scan signals are converted to analog form and matrixed to produce RGB color **image** signals for display by a widescreen progressive scan **display device** .

Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to signal...

27/3,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00093811

Color image display apparatus.

Farbbildwiedergabegerat.

Appareil de reproduction d'image en couleurs.

PATENT ASSIGNEE:

Matsushita Electric Industrial Co., Ltd., (216883), 1006, Oaza Kadoma,
Kadoma-shi Osaka-fu, 571, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

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Inohara, Shizuo, A2-413, 3-6, Shinsenri-minamimachi, Toyonaka City, 565,
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Masuda, Mitsuya, 90-22, Tsunoe-cho 1-chome, Takatsuki City, 569, (JP)

Ueda, Minoru, 11-10, Tsunoe-cho 3-chome, Takatsuki City, 569, (JP)

Yamamoto, Keisuke, 2-12, Yamatedai 3-chome, Ibaraki City, 567, (JP)

LEGAL REPRESENTATIVE:

Patentanwalte Kirschner & Grosse , Herzog-Wilhelm-Strasse 17, D-8000
Munchen 2, (DE)

PATENT (CC, No, Kind, Date): EP 94670 A1 831123 (Basic)
EP 94670 B1 860326

APPLICATION (CC, No, Date): EP 83104819 830516;

PRIORITY (CC, No, Date): JP 8285136 820519; JP 8377028 830430

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-009/12; H04N-003/10;

ABSTRACT WORD COUNT: 76

LANGUAGE (Publication,Procedural,Application): English; English; English

...ABSTRACT A1

Color image display apparatus.

A flat CRT type color image **display apparatus** comprises a number of horizontally disposed parallel line cathodes, vertical and horizontal deflection means and...

...multiplying a pulse signal which is synchronized with color sub-carrier of the color TV **signal** , **chrominance signal** is A/D converted using the clock signal, therewith producing a PWM signal with which electron beams are controlled.

27/3,K/14 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00566562 **Image available**

METHOD FOR DISPLAY WITH COLOUR FIDELITY OF IMAGES TRANSMITTED IN A NETWORK
PROCEDE POUR PRESENTER EN HAUTE RESOLUTION DES IMAGES COULEUR TRANSMISES
DANS UN RESEAU

Patent Applicant/Assignee:

E-COLOR INC,

Inventor(s):

BERNARD Peter,
ENGELDRUM Peter George,
DEUTCH James Ellis,
VAN PROOIJEN Cornelis Pieter,
MATTOX Joel D,
HILLIARD William J,
STROTHER Thomas Lawrence,
HUBER Jean-Pierre,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200029935 A1 20000525 (WO 0029935)

Application: WO 99US26943 19991115 (PCT/WO US9926943)

Priority Application: US 98108228 19981113; US 98108229 19981113; US
98108231 19981113; US 98108442 19981113; US 98108444 19981113; US
99422215 19991019

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK

DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 19543

Fulltext Availability:

Detailed Description

Detailed Description

... which the

image capture device will be used. The user must either
compensate in the **display device** for the compensation
algorithms in the **image** capture device, or the user must turn
off the **image** compensation mechanisms in the **image** capture
device, for example.

Another consideration in step 614 is the selection of
colors or...

27/3,K/15 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00428986 **Image available**

INTELLIGENT VIDEO INFORMATION MANAGEMENT SYSTEM
SYSTEME INTELLIGENT POUR GERER DES INFORMATIONS VIDEO

Patent Applicant/Assignee:

SENSORMATIC ELECTRONICS CORPORATION,

Inventor(s):

MACCORMACK David Ross,
NUNALLY Patrick O,
WILSON Charles Park,
WINTER Gerhard Josef,
KLEIN Harry Eric,
NGUYEN William Thanh,

LIN-LIU Sen,
NGUYEN Lyn,
AUYEUNG Alex Kamlun,
PEDERSEN Chris Harvey Jr,
SMITH Gordon W,
OUSLEY David James,
WANG Sherwin Sheng-shu,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9819450 A2 19980507
Application: WO 97US17886 19971001 (PCT/WO US9717886)
Priority Application: US 96742017 19961031; US 96741715 19961031; US
96740628 19961031; US 96741982 19961031; US 96741914 19961031; US
96741983 19961031; US 96729620 19961031; US 96740651 19961031; US
96742015 19961031; US 96741650 19961031; US 96740627 19961031

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
GH KE LS MW SD SZ UG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 114725

Fulltext Availability:
Claims

Claim

... storing image data to be supplied to a
- 3 0 9

SUBSTITUTE SHEET (RULE 26)

display device to cause the **display device** to **display** an
image corresponding to the **image** data, said **display device**
displaying said **image** in the form of a plurality of rows
of **picture** elements, said rows of **picture** elements
consisting of a first set of rows that are alternate ones
of said rows of **picture** elements and a second set of rows
that are all of the rows of **picture** elements not included
in said first set of rows, said display buffer including
a first...

...said second set of rows, the method
comprising the steps of:
first updating the **image** data stored in
said first set of memory locations;
upon completion of said first updating
step, second updating the **image** data stored in said second
set of memory locations; and
sequentially repeating said first and
second updating steps.

329. A method according to claim 328, wherein said
image data stored in said display buffer represents a
dynamic video **image**.

330. Apparatus for formatting an **image** plane
represented as a two-dimensional array of pixel locations
according to a 4:1:1 digital color video format,
comprising:

means for dividing said **image** plane into n
rectangular regions having a vertical dimension of m
pixels and a horizontal 332, wherein said
means for dividing divides said **image** plane into 20 of
said rectangular regions in a horizontal direction and

into 30 of...

...and said second

chrominance signal is a V signal.

335. A method of formatting an **image** plane represented as a two-dimensional array of pixel locations according to a 4:1:1 digital color video format, the method comprising the steps of:
dividing said **image** plane into n rectangular regions having a vertical dimension of m pixels and a horizontal...

...600.

338. A method according to claim 337, wherein said dividing step includes dividing said **image** plane into 20 of said rectangular regions in a horizontal direction and into 30 of...

...on a multi-bit parallel data bus, said field of video data corresponding to an **image**, the method comprising the steps of:
dividing said field of video data into first video...

...data blocks, each of said data blocks corresponding to a respective rectangular portion of said **image** that overlaps at least two raster-scan lines, n and p both being positive integers...supplying the transmitted first data portions to a display buffer used for driving a video **display device**.

352. A method according to claim 340, further comprising the step of applying a video...data blocks, each of said data blocks corresponding to a respective rectangular portion of said **image** that overlaps at least two raster-scan lines, n and p both being positive integers...

...data bytes.

365. A method of updating a display buffer, said display buffer for storing **image** data to be supplied to a **display device** to cause the **display device** to display an **image** corresponding to the **image** data, said **display device** displaying said **image** in the form of a two-dimensional array of **picture** elements, said array of **picture** elements defining an **image** plane, the method comprising the steps of:
dividing the **image** plane into a plurality of rectangular regions;
generating a present field of video data
20 representative of an **image** formed in the **image** plane; and
for each respective one of the rectangular regions of the **image** plane:
detecting a characteristic of a portion of the present field of video data, said...

...26)

said plurality of rectangular regions corresponds to a 4m x m array of the **picture** elements, m being an integer greater than 1.

368. A method according to claim 365 mounted thereon an integrated circuit processing device for

applying a moving **image** content analysis algorithm to said digitized fields of video information.
373. Video data storage apparatus...

...for controlling said display processing circuitry, and a third DSP-IC for applying a moving **image** content analysis algorithm to said at least one stream of video data fields.
376. Video...

...IC, said parameter data for constraining execution by said third DSP-IC of said moving **image** content analysis algorithm, said first DSP-IC transmitting said parameter data to said third DSP...one stream of video data fields; and a third DSP-IC for applying a moving **image** content analysis algorithm to said at least one stream of video data fields.
381. A...

27/3,K/16 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00169638

SYNCHRONIZATION SYSTEM FOR AN EXTENDED DEFINITION WIDESCREEN TELEVISION SIGNAL

APPAREIL DE SYNCHRONISATION POUR UN SIGNAL DE TELEVISION GRAND ECRAN A DEFINITION ELARGIE

Patent Applicant/Assignee:

RCA LICENSING CORPORATION,

Inventor(s):

ALTMAN Ted Norman,

DIETERICH Charles Benjamin,

CHAO Tzy-Hong,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9003085 A1 19900322

Application: WO 89US3597 19890825 (PCT/WO US8903597)

Priority Application: US 88277 19880907

Designated States: AT AU BE CH DE DK FI FR GB IT JP KR LU NL SE

Publication Language: English

Fulltext Word Count: 23897

Fulltext Availability:

Detailed Description

Detailed Description

... of the system of Figure 1, Starting with components 2 and 3. pairs of pixels (**picture** elements) 262H apart are averaged, and the average value (e,g,, X1, X3 and Z11...

...which is converted to a progressively scanned format using temporal interpolation assisted by the helper **signal** . The **chrominance signal** is **converted** to progressive scan format using unassisted temporal interpolation, Finally, the ...signals are converted to analog form and matrixed to produce R,, G,, and B color **image**

signals for display by a widescreen progressively scanned
display device ,
Before discussing the compatible widescreen
encoding system of Figure 1a, reference is made to signal...

...depicted by signal B. Widescreen signal A includes a
center panel portion associated with primary image
information occupying an interval TC, and left and right
side panel portions associated with secondary image
information and occupying intervals TS, In this example
SZ94TTJ 991 -UOTSZGAUOO UVDS 90PT-T,94UT...OM
L6Sf:0/68Sf1/J3cl
maintain nearly full vertical resolution in stationary
portions of the image ,
In the filter shown in FIGURE 10d, a sample of a
progressively scanned signal T3...

...averaged with
corresponding samples of signals representing the previous
and subsequent horizontal lines of the image (T4 and T2#'
respectively) and with corresponding samples of signals
representing the previous and subsequent image frames (T5
and TV respectively) to produce a sample of a
progressively scanned output signal...

27/3,K/17 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156323 **Image available**
TELEVISION SIGNAL ENCODED WITH AUXILIARY INFORMATION TO ASSIST IN SCANNING
FORMAT CONVERSION
SIGNAUX DE TELEVISION CODES AVEC DES INFORMATIONS AUXILIAIRES DE LA
CONVERSION OU FORMAT DE BALAYAGE
Patent Applicant/Assignee:
GENERAL ELECTRIC COMPANY,
Inventor(s):
ISNARDI Michael Anthony,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8902691 A1 19890323
Application: WO 88US3017 19880909 (PCT/WO US8803017)
Priority Application: GB 8721565 19870914; US 87337 19871229
Designated States: AT AT AU BE BR CH DE DE DK FI FR GB GB HU IT JP KR LU NL
NL NO SE SE SU
Publication Language: English
Fulltext Word Count: 15151

Fulltext Availability:
Detailed Description
Detailed Description

... signal, which is converted to the
progressive scan format using temporal interpolation and
the helper signal . The chrominance signal is converted to
progressive scan format using unassisted temporal
interpolation, Finally, the luminance and chrominance
progressive scan signals are converted to analog form and
matrixed to produce RGB color image signals for display by
a widescreen progressive scan display device .

Before discussing the compatible widescreen
*encoding system of Figure 1a,, reference is made to signal...

27/3,K/18 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156321 **Image available**
COMPATIBLE TELEVISION SYSTEM WITH COMPANDING OF AUXILIARY SIGNAL ENCODING INFORMATION
SYSTEME COMPATIBLE DE TELEVISION A COMPRESSION D'INFORMATIONS DE CODAGE DE SIGNAUX AUXILIAIRES
Patent Applicant/Assignee:
GENERAL ELECTRIC COMPANY,
Inventor(s):
FUHRER Jack Selig,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8902689 A1 19890323
Application: WO 88US3015 19880909 (PCT/WO US8803015)
Priority Application: GB 8721565 19870914; US 87339 19871229
Designated States: AT AT AU BE BR CH DE DE DK FI FR GB GB HU IT JP KR LU NL
NL NO SE SE SU
Publication Language: English
Fulltext Word Count: 16520

Fulltext Availability:

Detailed Description

Detailed Description

... signal, which is converted to the
progressive scan format using temporal interpolation and
the helper **signal**. The **chrominance signal** is **converted** -to
progressive scan format using unassisted temporal
interpolation. Finally, the luminance and chrominance
progressive scan signals are converted to analog form and
matrixed to produce RGB color **image** signals for display by
a widescreen progressive scan **display device**.

Before discussing the compatible widescreen
encoding system of Figure 1a, reference is made to signal...

27/3,K/19 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156320
APPARATUS FOR PROCESSING AUXILIARY INFORMATION IN AN EXTENDED DEFINITION WIDESCREEN TELEVISION SYSTEM
APPAREIL DE TRAITEMENT D'INFORMATIONS AUXILIAIRES DANS UN SYSTEME DE TELEVISION GRAND-ECRAN A DEFINITION ACCRUE
Patent Applicant/Assignee:
GENERAL ELECTRIC COMPANY,
Inventor(s):
ISNARDI Michael Anthony,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8902688 A1 19890323
Application: WO 88US3014 19880909 (PCT/WO US8803014)
Priority Application: GB 8721565 19870914; US 87340 19871229
Designated States: AT AT AU BE BR CH DE DE DK FI FR GB GB HU IT JP KR LU NL

NL NO SE SE SU
Publication Language: English
Fulltext Word Count: 12986

Fulltext Availability:

Detailed Description

Detailed Description

... signal, which is converted to the progressive scan format using temporal interpolation and the helper signal, The chrominance signal is converted to progressive scan format using unassisted temporal interpolation, Finally, ...chrominance progressive scan signals are converted to analog form and matrixed to produce RGB color image signals for display by a widescreen progressive scan display device .

is Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to...

27/3,K/20 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00156318 **Image available**

APPARATUS FOR PRE-CONDITIONING AUXILIARY TELEVISION SIGNAL INFORMATION
APPAREIL DE PRE-CONDITIONNEMENT D'INFORMATIONS AUXILIAIRES CONCERNANT DES
SIGNAUX DE TELEVISION

Patent Applicant/Assignee:

GENERAL ELECTRIC COMPANY,

Inventor(s):

ISNARDI Michael Anthony,

HURST Robert Norman Jr,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8902686 A1 19890323

Application: WO 88US3012 19880909 (PCT/WO US8803012)

Priority Application: GB 8721565 19870914; US 87338 19871229

Designated States: AT AT AU BE BR CH DE DE DK FI FR GB GB HU IT JP KR LU NL

NL NO SE SE SU

Publication Language: English

Fulltext Word Count: 16408

Fulltext Availability:

Detailed Description

Detailed Description

... signal, which is converted to the progressive scan format using temporal interpolation and the helper signal. The chrominance signal is converted to progressive scan format using unassisted temporal interpolation. Finally, the luminance and chrominance progressive scan signals are converted to analog form and matrixed to produce RGB color image signals for display by a widescreen progressive scan display device .

Before discussing the compatible widescreen encoding system of Figure 1a, reference is made to signal...

27/3,K/21 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

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00156317

TELEVISION SIGNAL ENCODED WITH AUXILIARY VERTICAL-TEMPORAL INFORMATION
SIGNAUX DE TELEVISION CODES AVEC DES INFORMATIONS VERTICALES-TEMPORAIRES
AUXILIAIRES

Patent Applicant/Assignee:

GENERAL ELECTRIC COMPANY,

Inventor(s):

ISNARDI Michael Anthony,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8902685 A1 19890323

Application: WO 88US3011 19880909 (PCT/WO US8803011)

Priority Application: GB 8721565 19870914; US 87337 19871229

Designated States: AT AT AU BE BR CH DE DE DK FI FR GB GB HU IT JP KR LU NL
NL NO SE SE SU

Publication Language: English

Fulltext Word Count: 16354

Fulltext Availability:

Detailed Description

Detailed Description

... signal, which is converted-to the
progressive scan format using temporal interpolation and
the helper **signal** . The **chrominance signal** is **converted** to
progressive scan format using unassisted temporal
interpolation. Finally, the luminance and chrominance
progressive scan signals are converted to analog form and
-matrixed to produce RGB color, **image** signals for display bya widescreen
progressive scan **display device** .

Before discussing the compatible widescreen

encoding system of Figure 1a, reference is made to signal...

?

File 9:Business & Industry(R) Jul/1994-2003/May 30
(c) 2003 Resp. DB Svcs.
File 15:ABI/Inform(R) 1971-2003/Jun 02
(c) 2003 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2003/Jun 02
(c) 2003 The Gale Group
File 20:Dialog Global Reporter 1997-2003/Jun 02
(c) 2003 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2003/May 28
(c) 2003 The Gale group
File 75:TGG Management Contents(R) 86-2003/May W4
(c) 2003 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/Jun 02
(c) 2003 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2003/May 29
(c) 2003 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2003/Apr
(c) 2003 The HW Wilson Co.
File 112:UBM Industry News 1998-2003/Jun 02
(c) 2003 United Business Media
File 141:Readers Guide 1983-2003/Apr
(c) 2003 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2003/May 30
(c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Jun 02
(c) 2003 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2003/May 30
(c) 2003 The Dialog Corp.
File 484:Periodical Abs Plustext 1986-2003/May W4
(c) 2003 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2003/Apr
(c) 2003 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2003/Jun 02
(c) 2003 The Gale Group
File 608:KR/T Bus.News. 1992-2003/Jun 02
(c)2003 Knight Ridder/Tribune Bus News
File 610:Business Wire 1999-2003/May 31
(c) 2003 Business Wire.
File 613:PR Newswire 1999-2003/May 30
(c) 2003 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2003/May 30
(c) 2003 The Gale Group
File 623:Business Week 1985-2003/May 30
(c) 2003 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2003/May 30
(c) 2003 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2003/May 30
(c) 2003 San Jose Mercury News
File 635:Business Dateline(R) 1985-2003/May 31
(c) 2003 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2003/May 29
(c) 2003 The Gale Group
File 647:CMP Computer Fulltext 1988-2003/May W2
(c) 2003 CMP Media, LLC
File 696:DIALOG Telecom. Newsletters 1995-2003/Jun 02
(c) 2003 The Dialog Corp.
File 674:Computer News Fulltext 1989-2003/May W4
(c) 2003 IDG Communications
File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 ? ds

Set	Items	Description
S1	470	CHROMINANCE(3N)SIGNAL?
S2	19	S1(3N)CONVERT?
S3	70729	(COLOUR OR COLOR OR RGB OR RED()GREEN()BLUE)(3N)(MANAG? OR CONTROL? OR CORRECT?)
S4	154847	DISPLAY(3N)(DEVICE? OR UNIT? OR SCREEN? OR APPARATUS)
S5	226598	LCD OR LIQUID()CRYSTAL()DISPLAY??
S6	6760062	IMAGE? OR GRAPHIC?? OR PICTURE??
S7	610	ILLUMINAT?()LIGHT
S8	297925	EXTERNAL(3N)LIGHT? OR LAMP?? OR SUNLIGHT OR AMBIENT()LIGHT?
S9	126915	LIGHT()CHARACTERISTIC? OR WAVELENGTH?
S10	3418	(STRIKING OR SHINING OR STRIKES OR SHINE??)(3N)(DISPLAY? OR SCREEN??)
S11	26	(MAINTAIN? OR KEEP?)(3N)TINT?(7N)S6
S12	1402	SENSOR?(7N)S9
S13	324	(XYZ OR TRISTIMULUS)(3N)VALUE??
S14	62	CHROMATIC()ADAPTATION??
S15	624	AU=(YOSHIDA, Y? OR YAMAMOTO, Y? OR YOSHIDA Y? OR YAMAMOTO - Y?)
S16	0	(S2 OR S14)(S)S3(S)S6
S17	10	(S2 OR S14)(S)S6
S18	0	S17(S)(S7 OR S8)
S19	10	S17 NOT PY=>2000
S20	5	RD S19 (unique items)
S21	0	S11(S)(S4 OR S5)
S22	0	S11(S)(S7 OR S8)
S23	0	S11(S)S10
S24	0	S15(S)S11
S25	0	S15 AND S11
S26	101	(S7 OR S8)(S)S10
S27	0	S26(S)(S1 OR S13 OR S14)
S28	0	S26(S)S12
S29	0	S26(S)S11
S30	0	S26(S)TINT?
S31	0	S26(S)S3
S32	26433	S3(S)S6
S33	0	S32(S)S13(S)S14
S34	0	S32 AND S15
S35	582	S32(S)S4
S36	7	S35(S)TINT??
S37	7	S36 NOT PY=>2000
S38	5	RD S37 (unique items)
S39	26	S35(S)(NETWORK? OR DISTRIBUT?)
S40	2	S39(S)CHROM?
S41	1	RD S40 (unique items)
S42	0	S41 NOT YELLOW()PAGES
S43	9	(S2 OR S13 OR S14)(5N)S6
S44	7	S43 NOT (S36 OR S40 OR S17)
S45	5	RD S44 (unique items)

20/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00633748 92-48688

Applying Videoconferencing

Hahn, Norbert

Telecommunications v26n8 PP: 27-30 Aug 1992

ISSN: 0278-4831 JRNL CODE: TEC

WORD COUNT: 2506

...TEXT: An example is illustrated in Figure 1 and described as follows:
(Figure 1 omitted)

The **picture** to be transmitted is taken by a camera that directly delivers either the three component...

... a composite video signal (CVS), which is then translated into RGB. The RGB signals are **converted** into a luminance signal and two **chrominance signals** (R-Y and B-Y). These analogue signals are limited in bandwidth to 2.5...

... bit rate after the analog-to-digital (AID) conversion of 50 per cent, with the resultant **picture** quality still acceptable for moving **images**. The AID conversion uses sampling frequencies of 5 MHz for the Y signal and 1...

20/3,K/2 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08020578 SUPPLIER NUMBER: 17311344 (USE FORMAT 7 OR 9 FOR FULL TEXT)

MicroCable: a next generation videoconferencing camera interface.

Trzcinski, David; Baxter, Larry

Advanced Imaging, v10, n6, p28(2)

June, 1995

ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1211 LINE COUNT: 00102

... provides a no-adjustment, better-performing circuit design.

The analog signal output of the camera **imager** (usually, in practice, a CCD) is now processed at the camera head, either in digital...

...format, so that the camera output can be directly displayed. With digital processing, the analog **imager** signals are first converted to digital using an A/D **converter**. Luminance and **chrominance signal** processing is then performed on the digital signals, which are then encoded. The digitally encoded...

20/3,K/3 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07051792 SUPPLIER NUMBER: 15548541

TI aims at video-CD market with three-chip set. (Texas Instruments'

TMS320AV120 MPEG audio decoder/TMS320AV220 MPEG-1 video decoder/TMS320AV420 digital RGB NTSC encoder chip set) (Product Announcement)

Yoshida, Junko

Electronic Engineering Times, n801, p16(1)

June 13, 1994

DOCUMENT TYPE: Product Announcement
ENGLISH RECORD TYPE: ABSTRACT

ISSN: 0192-1541

LANGUAGE:

...ABSTRACT: digitally encoded audio/video data is synchronized and decompressed, and a digital RGB or luminance/ **chrominance signal** is **converted** to an NTSC-compliant analog format. The three chips are the TMS320AV220 MPEG-1 video...

...decoder, and the encoder provides vertical interpolation, which smooths the jagged fields of NTSC TV **images** and supports on-screen display overlay.

20/3,K/4 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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04640997 SUPPLIER NUMBER: 08680564

Philips' chips take video in, video out. (Philips Components-Signetics's SAA 7191 and SAA 7192 integrated circuits) (product announcement)

Thompson, John

Electronic Engineering Times, n600, p61(1)

July 23, 1990

DOCUMENT TYPE: product announcement
ENGLISH RECORD TYPE: ABSTRACT

ISSN: 0192-1541

LANGUAGE:

...ABSTRACT: Components-Signetics introduces two chips which will allow systems to mix video and computer-painted **images** on to computer monitors. The chips, SAA7191 and SAA7192, form part of the company's desktop video family of **image** -conversion devices and are oriented toward the video/in-video/out portion of the video...

...and Secam (France and the Soviet Union), converting that data into square-pixel luminance and **chrominance** (YUV) **signals** . The SAA7192 **converts** the YUV signals into 24-bit red, green and blue data format required for driving...

20/3,K/5 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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03672197 SUPPLIER NUMBER: 06848741 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The computer-to-video connection: the tasks of putting computer-animated images onto video. (includes related article on videotape controllers)

MacNicol, Gregory

Computer Graphics World, v11, n7, p61(3)

July, 1988

ISSN: 0271-4159

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1798 LINE COUNT: 00137

... a comparable 3/4-inch deck, the Betacam represents a major step in terms of **image** quality and overall technical capability. Even though it uses a 1/2-inch format, the signal is component instead of composite NTSC. This means that the RGB signals from the **graphics** computer are **converted** into separate **chrominance** and luminance **signals** . The recorder retains the original **image** quality without the serious degradation resulting from

38/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2003 Resp. DB Svcs. All rts. reserv.

1980814 Supplier Number: 01980814 (USE FORMAT 7 OR 9 FOR FULLTEXT)
19-Inch Monitors Make Their Screen Debut: Princeton Graphic EO90
(The Princeton Graphic EO90 is a new 19-inch Diamondtron CRT monitor with
18-inch viewable area and 0.22 mm horizontal dot pitch)
Windows Magazine, v 8, n 11, p 72
November 1997
DOCUMENT TYPE: Journal; News Brief ISSN: 1060-1066 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 89

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

With its dark- **tinted** Advanced Anti-Reflection Technology coating, the
Princeton **Graphic** EO90 takes good care of your eyes. The 19-inch
Diamondtron CRT monitor has an...

...at 75Hz and refresh rates up to 88Hz at 1280x1024. The EO90 includes
PreVu onscreen **display** controls; advanced **screen** geometry controls for
trapezoid, pin-cushion and rotation/tilt; and Coloright Technology, a
color temperature **control** with red, green and blue gain adjustments. The
monitor complies with VESA's Display Data...

38/3,K/2 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2003 The Gale group. All rts. reserv.

04058551 SUPPLIER NUMBER: 15311108 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**NEC's 27-inch MultiSync 4PG: making multimedia look great. (large-screen
monitor) (Hardware Review) (First Looks) (Evaluation)**
Brown, Bruce
PC Magazine, v13, n9, p47(1)
May 17, 1994
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 441 LINE COUNT: 00034

... remote control (which can also operate with an included 12-foot
wire) to select the **display** device ; adjust **image** size, position,
pincushioning, contrast, brightness, **color** , and **tint** ; and **control**
sharpness. The remote control also has a monitor degauss button and volume
and mute controls...

38/3,K/3 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01143033 CMP ACCESSION NUMBER: WIN19971101S0039
19-Inch Monitors Make Their Screen Debut (19-Inch Monitors)
WINDOWS MAGAZINE, 1997, n 811, PG72
PUBLICATION DATE: 971101
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: News/New Products

WORD COUNT: 629

... USA, 800-237-9988, 714-379-5599. Winfo #775
Princeton Graphic EO90
With its dark- **tinted** Advanced Anti-Reflection Technology coating,
the Princeton **Graphic** EO90 takes good care of your eyes. The 19-inch
Diamondtron CRT monitor has an...

...at 75Hz and refresh rates up to 88Hz at 1280x1024. The EO90 includes
PreVu on- **screen display** controls; advanced **screen** geometry controls
for trapezoid, pincushion and rotation/tilt; and Coloright Technology, a
color temperature **control** with red, green and blue gain adjustments.
The monitor complies with VESA's Display Data...

38/3,K/4 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01089421 CMP ACCESSION NUMBER: WIN19960601S0112
Nokia Multigraph 449X and Valuegraph 447W - Sibling Screen Stars
Michelle A. Tyrrell
WINDOWS MAGAZINE, 1996, n 706, PG134
PUBLICATION DATE: 960601
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: WinLab Reviews - Hardware
WORD COUNT: 727

... of the unit.
The on-screen menu system lets you control every aspect of the
picture and is even more extensive than that found on the 449X. The two
pairs of buttons on the front feature **controls** for **color** temperature
(with six preset **tints**), RGB adjustment, factory preset recall,
contrast, brightness, vertical and horizontal centering, height, width,
pincushion, trapezoid...

...mode, and adjustments for balance, volume, speaker on/off and
microphone on/off. The on- **screen display** also informs you of the
current resolution and vertical and horizontal frequencies. The monitor
synchronizes...

38/3,K/5 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00541691 CMP ACCESSION NUMBER: WIN19931201S0037
500 Tips - Editing System Files
WINDOWS MAGAZINE, 1993, n 412 , 303
PUBLICATION DATE: 931201
JOURNAL CODE: WIN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: FEATURES
WORD COUNT: 3562

... brightness to provide an optimal image and adjust the height,
width and position of the **screen** to maximize your **display** area. If
your monitor permits, change the color content, temperature and
convergence to further enhance...

...fuzzy with discolored edges, check the convergence controls to make sure the colors are all **correctly** aligned. Change the **color** content if your monitor is **tinted** red, green or blue.

Change Your Video Driver from DOS
Sometimes things go wrong when...

?

45/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
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03739959 SUPPLIER NUMBER: 13343821
Processing digital color images: from capture to display. (includes bibliography)
Allebach, Jan P.
Physics Today, v45, n12, p32(8)
Dec, 1992
ISSN: 0031-9228 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: array of sample values which contain color information results from the digital capture of the **image**. **Tristimulus values** match colors of the original **image** to those of the reproduction.

45/3,K/2 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
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05347440 SUPPLIER NUMBER: 60036026
Perceptual Ability with Real-World Nighttime Scenes: Image-Intensified, Infrared, and Fused-Color Imagery.
Essock, Edward A.; Sinai, Michael J.; McCarley, Jason S.; Krebs, William K.; DeFord, J. Kevin
Human Factors, 41, 3, 438
Sept, 1999
ISSN: 0018-7208 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 8325 LINE COUNT: 00674

... The third type of image that we used was produced by forming a false-color **image** by creating **tristimulus values** from the thermal, visible, and combined ir/(i.sup.2) images and treating these as...

45/3,K/3 (Item 2 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2003 The Gale Group. All rts. reserv.

02249995 SUPPLIER NUMBER: 07102870
Abstracts from other ACM publications.
Communications of the ACM, v32, n3, p382(5)
March, 1989
ISSN: 0001-0782 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4478 LINE COUNT: 00476

... equally well to other digital color devices.
The reproduction system described is calibrated using CIE **tristimulus values**. An **image** is represented as a set of three-dimensional points, and the color output device as...

45/3,K/4 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06210685 SUPPLIER NUMBER: 13691916 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Colorimetry comes to the printing press. (Emerging Technologies)
Lytle, David

Photonics Spectra, v26, n11, p210(2)

Nov, 1992

ISSN: 0731-1230

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 393

LINE COUNT: 00030

... output of the camera to the colorimeter readings and translate RGB information into the needed **tristimulus values** for each pixel imaged by the camera.

45/3,K/5 (Item 1 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)

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01219564 SUPPLIER NUMBER: 07294191

Color gamut mapping and the printing of digital color images. (technical)

Stone, Maureen C.; Cowan, William B.; Beatty, John C.

ACM Transactions on Graphics, v7, n3, p249(44)

Oct, 1988

DOCUMENT TYPE: technical

ISSN: 0730-0301

LANGUAGE: ENGLISH

RECORD TYPE: ABSTRACT

...ABSTRACT: applied equally well to other digital color devices.
Calibration of the reproduction system uses CIE **tristimulus values**. An **image** is represented as a set of 3-D points and the color output device as
...
?